

EMPOWERING YOUR FLEET
NAVIGATE EFFICIENTLY SAFE
SINCE 1945

Marine
Safety Signs

Log
Books

Flags

Your Global Navigation Solutions Partner

C.A.I.M. is one of the world's largest International Admiralty Chart Agent and Digital Distributor, sole Agent for RINA Publications (Registro Italiano Navale) and global provider of marine equipments and navigational solutions.

It has been supplying the professional mariner in the SOLAS regulated Maritime Market since 1945 and is the market leader in Italy.

C.A.I.M., thanks to consolidated partnerships with leading global Companies operating in the High Seas Market and their International Networks, has established dedicated departments to support the Mariners in the Digital Navigation, providing a full range of Electronic Equipments, Communication Services and Software Management solutions.

The Company operates and is specialized in the following sectors:

- > Charts and Publications
- > Outfit Management Systems
- > Marine Equipment
- > Software Applications

NAUTICAL CHARTS and PUBLICATIONS issued by:

- > United Kingdom Hydrographic Office
- > Italian Hydrographic Office
- > DMA Hydrographic Office

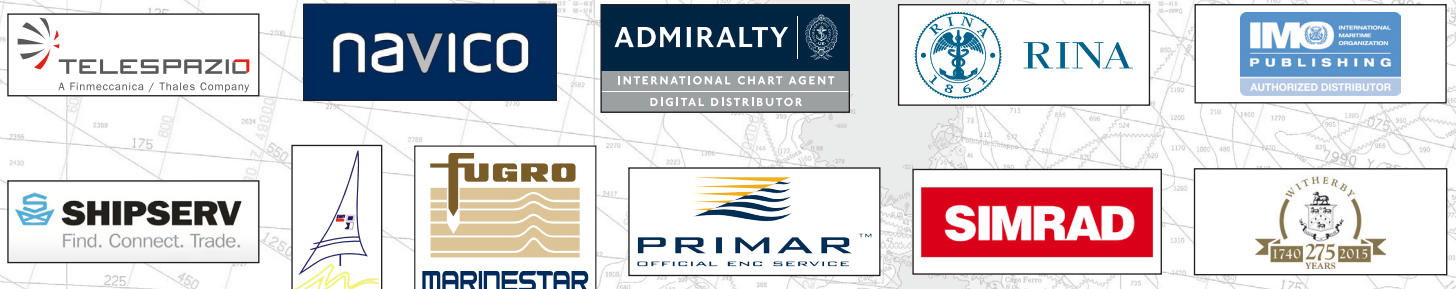
OUTFIT MANAGEMENT SERVICE:

- > Automatic Worldwide Supply Service of all new editions of charts and publications to comply with ISM
- > Permanent delivery of Notice to Mariners and Tracings
- > Books corrections
- > Loose Leaf Updates
- > Web Based Outfit Management Service
- > CMS Plus™ NTMs & Tracings Chart Management System via Web

NAUTICAL PUBLICATIONS and BOOKS:

- > Sole Appointed Agent for all RINA Publications
- > Log Books
- > Publisher of Training, Maintenance and Firefighting Manuals

C.A.I.M. Global Partners:



C.A.I.M. is also appointed as Official Distributor of:
 IMO — Brown — WHO — ITU — ILO — Shipping Guides — LLP — The Stationery Office — Witherby — OCIMF — ICS — ISF — The Nautical Institute — INTERTANKO — BIMCO — Thomas Reed — Lloyds

MANUFACTURER and DISTRIBUTOR of:

- > Marine Safety Posters
- > IMO Firefighting and Safety Signs
- > Flags of All Nations
- > Full Range of Marine Safety Equipment (LSA, PPE, FFE, ISPS)

DIGITAL PRODUCTS and SERVICES:

- > AVCS (Admiralty Vector Chart Service)
- > UKHO ECDIS Service (ENCs & ARCS)
- > ECDIS Bridge System
- > ECS and ECDIS project survey, planning and supply
- > ECS and ECDIS users Training & Simulator supply
- > Full range of Official / Unofficial Electronic Charts
- > Electronic Software and Hardware for Navigation

SeaOnNet COMMUNICATIONS:

- > Complete range of Satellite solutions for VSAT Communication Technology (C/Ku band) expressly designed for the Maritime sector
- > Supply and installation of 'state-of-the-art' Antennas based on latest technologies, specifically designed for communication optimization

ENERGY EFFICIENCY PLAN (SEEMP) SOLUTIONS:

- > Fugro Marinstar® Maneuvering System and Dynamic Trim Optimization
- > Weather Routing Optimization

Thanks to long experience and a skilled Teams of Professionals, C.A.I.M. is nowadays the reference company for the International Maritime Industry.

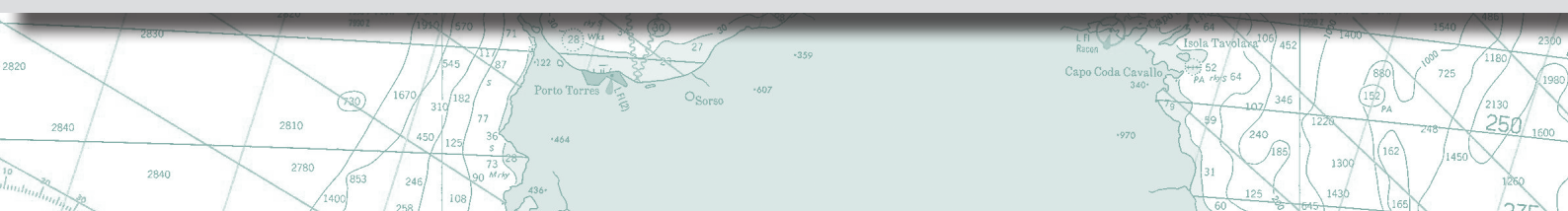
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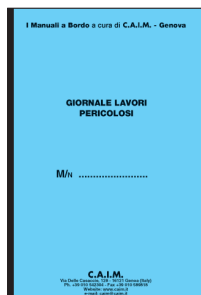
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MARINE SAFETY SIGNS – LOG BOOKS AND FLAGS

SEGNALETICA DI SICUREZZA – REGISTRI E BANDIERE

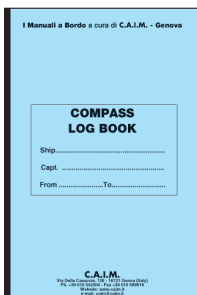




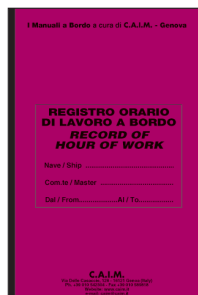
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REG014
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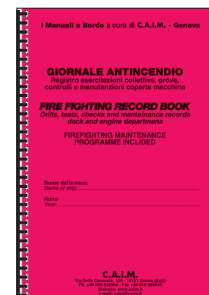
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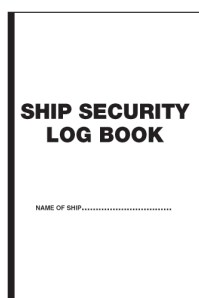
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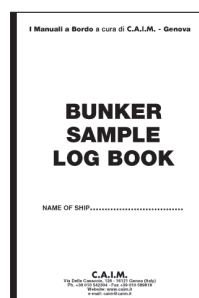
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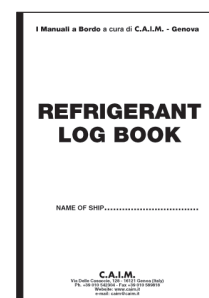
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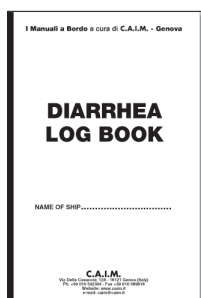
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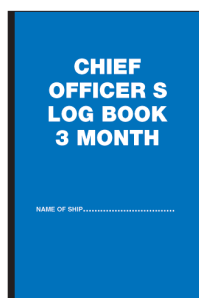
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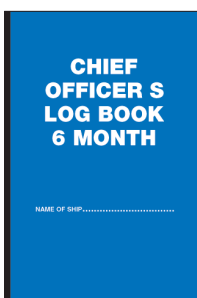
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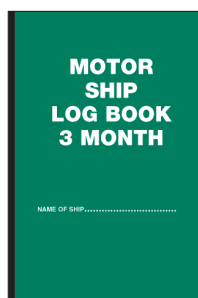
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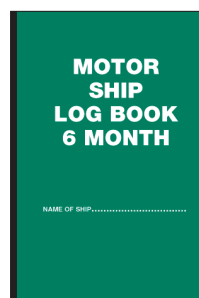
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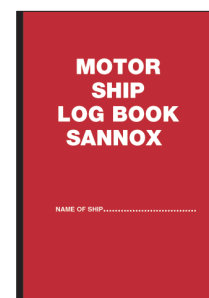
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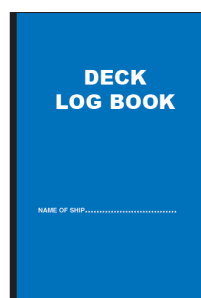
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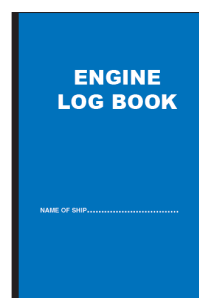
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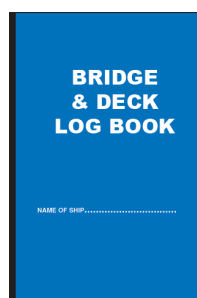
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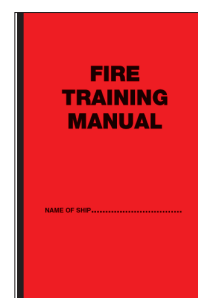
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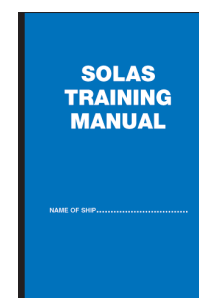
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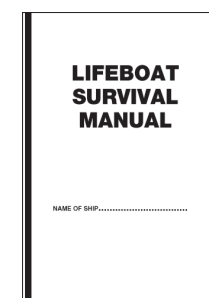
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I.C.B.01
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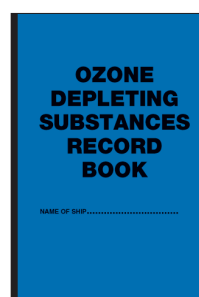
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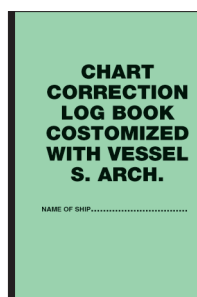
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I.C.B.05
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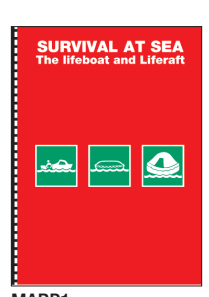
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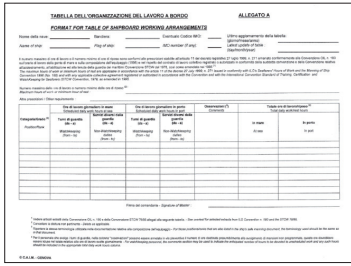
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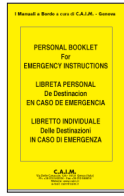
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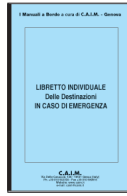
MARP1
Complying to IMO A657
Printed on plastic card



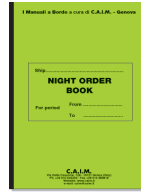
REG126
Tabella dell'organizzazione del lavoro a bordo
Format for table of shipboard working arrangements



REG061
Personal Booklet for Emergency Instruction



REG060
Libretto Individuale delle destinazioni in caso di emergenza



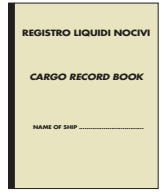
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REG030
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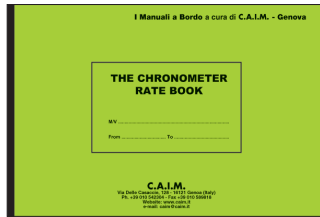
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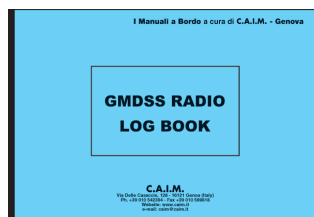
REG142
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REG003
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REG004
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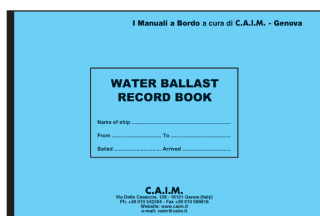
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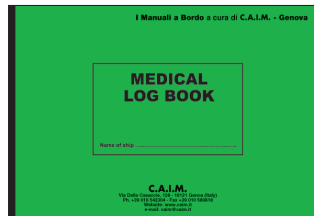
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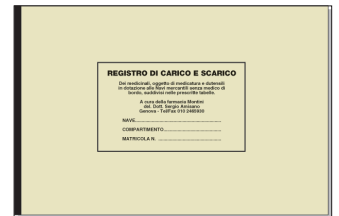
REG144 / REG145 (only English)
English-Italian



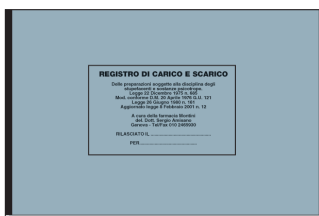
MARP2
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REG063
only English



REG020
only Italian



REG021
only Italian



REG022
only Italian



REG065
only Italian



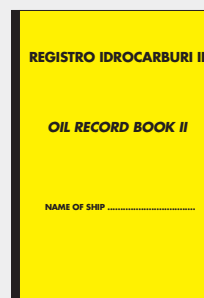
REG066
only Italian

CAIM produces the bilingual Nautical and Oil Record Log Books (not to be confused with the books issued by Poligrafico dello Stato) as per G.U. n. 203/2011, n. 155/2012 and MARPOL 2011 – MEPC 187(59), to be used in accordance with the Italian art.1193 c. 3 c.n.

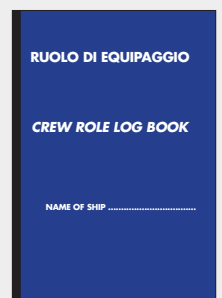
CAIM produce i Giornali Nautici e Registri Idrocarburi bilingue (da non confondere con quelli editi dal Poligrafico dello Stato) come da G.U. n. 203/2011, n. 155/2012 e MARPOL 2011 – MEPC 187(59), il loro uso è soggetto alla disciplina di cui all' art.1193 c. 3 c.n.



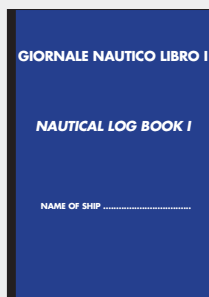
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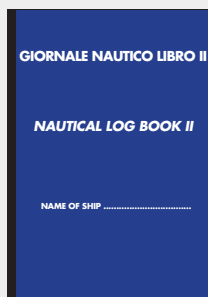
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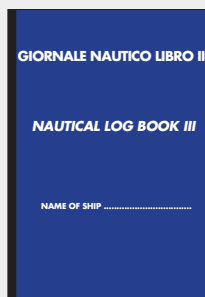
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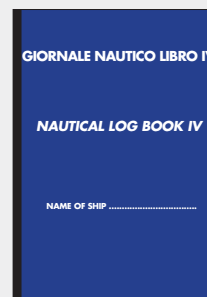
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REG150
English-Italian



REG151
English-Italian



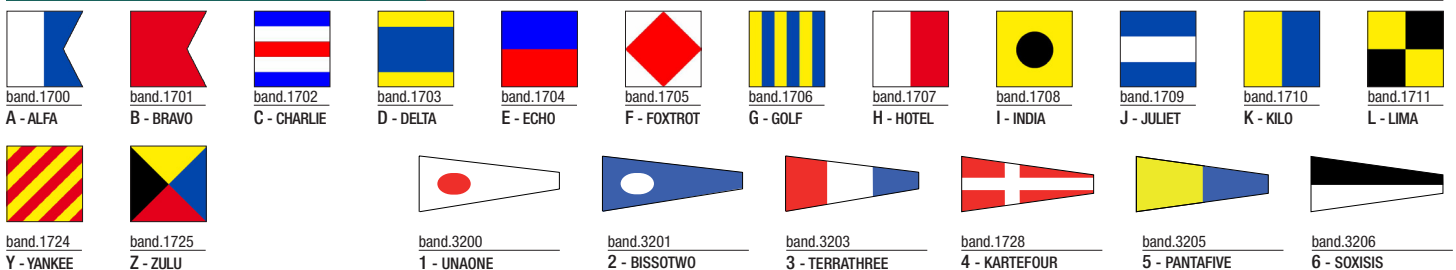
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REG154
English-Italian

















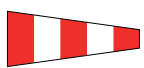





International Code Flags



 band.3054 ARMENIA	 band.3055 ARUBA	 band.0090 AUSTRALIA	 band.3056 AUSTRIA	 band.3057 AZERBAIJAN	 band.3058 AZZORRE	 band.0119 BAHAMAS	 band.0670 BAHRAIN	 band.3059 BANGLADESH	 band.0140 BARBADOS
 band.3060 BURKINA FASO	 band.3061 BRUNEI	 band.0220 BULGARIA	 band.3062 BURUNDI	 band.3063 CAMBOGIA	 band.0252 CAMERUN	 band.0250 CANADA	 band.0266 CAPO VERDE	 band.3064 CHAD	 band.0265 CHILE
 band.0423 COSTARICA	 band.0434 CROAZIA	 band.0441 CUBA	 band.3065 CURACAO	 band.0448 DANIMARCA	 band.0455 DOMINICA	 band.0483 EQUADOR	 band.0490 EGITTO	 band.0666 EL SALVADOR	 band.1568 EMIRATI ARABI UNITI
 band.0588 GERMANIA	 band.0505 GHANA	 band.0602 GIAMAICA	 band.0623 GIBILTERRA	 band.0520 GIAPPONE	 band.0630 GIBUTI	 band.3067 GIOCHI OLIMPICI	 band.0637 GIORDANIA	 band.0770 GRAN BRETAGNA	 band.0651 GRECIA
 band.0728 HONDURAS	 band.0760 INDIA	 band.0763 INDONESIA	 band.0798 IRAN	 band.0791 IRAQ	 band.0812 IRLANDA	 band.1270 HONG KONG	 band.3068 ISLANDA	 band.3069 ISOLA DI MAN	 band.0147 ISOLE BERMUDE
 band.3070 ISOLE SALOMONE	 band.3072 IS. SAMOA AMERICANE	 band.3075 IS. TURKUS E CAICOS	 band.3072 IS. VERGINI AMERICANE	 band.3074 IS. VERGINI BRITANNICHE	 band.0833 ISRAELE	 band.2603 ITALIA	 band.3037 ITALIA MARINA MILITARE	 band.2614 ITALIA MERCANTILE	 band.3074 JERSEY
 band.0889 LIBIA	 band.3075 LIECHENSTEIN	 band.0890 LITUANIA	 band.0903 LUSSEMBURGO	 band.3076 MACEDONIA	 band.0906 MADAGASCAR	 band.3077 MADEIRA	 band.0938 MALDIVE	 band.0920 MALESIA	 band.0378 MALAWI
 band.0973 MAROCCO	 band.1015 MOZAMBICO	 band.3079 MYANMAR	 band.3080 NAMBIA	 band.3081 NAURU	 band.3082 N.A.T.O.	 band.3083 NAZIONI UNITE	 band.3084 NEPAL	 band.1057 NICARAGUA	 band.3085 NUOVA ZELANDA
 band.3035 PAPUA - N. GUINEA	 band.3036 PARAGUAY	 band.3086 PALESTINA	 band.1180 PERÙ	 band.3087 POLINESIA FRANCESE	 band.1183 POLONIA	 band.1195 PORTO RICO	 band.1190 PORTOGALLO	 band.0086 QATAR	 band.3088 REP. CECA
 band.3042 ST. KISS - NEVIS	 band.1281 ST. VICENT	 band.3090 SAMOA OCCIDENTALI	 band.3091 SÃO-TOMÉ E PRINCIPE	 band.3092 SCOZIA	 band.1337 SENEGAL	 band.1351 SERBIA	 band.1358 SIERRA LEONE	 band.1365 SINGAPORE	 band.3093 SLOVACCHIA
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 band.1610 VENEZUELA	 band.1612 VIETNAM	 band.1631 YEMEN	 band.1650 ZAIRE	 band.3098 ZAMBIA	 band.3099 ZIMBAWE				

International Code Flags

 band.1712 M - MIKE	 band.1713 N - NOVEMBER	 band.1714 O - OSCAR	 band.1715 P - PAPA	 band.1716 Q - QUEBEC	 band.1717 R - ROMEO	 band.1718 S - SIERRA	 band.1719 T - TANGO	 band.1720 U - UNIFORM	 band.1721 V - VICTOR	 band.1722 W - WHISKEY	 band.1723 X - X-RAY	
 band.3207 7 - SETTESEVEN	 band.1730 8 - OKTOEIGHT	 band.1735 9 - NOVENINE	 band.3210 0 - NADAZERO	 band.3211 INTELLIGENCE	 band.3212 1st SUBSTITUTE	 band.3213 2nd SUBSTITUTE	 band.3214 3rd SUBSTITUTE					

C.A.I.M. IMO LSA signs are designed to satisfy Chapter III, Regulation 9.2.2 and Regulation 9.2.3 of the SOLAS Convention. Signs are required to be easily seen under emergency lighting condition and used in accordance with the recommendations of the IMO.

Survival Craft Instructions



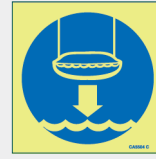
FASTEN SEAT BELTS
CA 5501 C



SECURE HATCHES
CA 5502 C



START ENGINE
CA 5503 C



LOWER LIFEBOAT
CA 5504 C



LOWER LIFERAFT
CA 5505 C



LOWER RESCUE BOAT
CA 5506 C



RELEASE FALLS
CA 5507 C



START WATER SPRAY
CA 5508 C

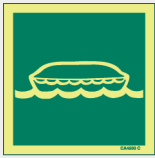


START AIR SUPPLY
CA 5509 C



RELEASE GRIPES
CA 5510 C

Lifeboat & Liferaft



LIFEBOAT
CA 4500 C-N-Q

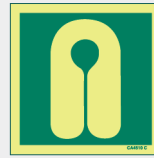


LIFERAFT
CA 4502 C



DAVIT-LAUNCHED LIFERAFT
CA 4503 C

Lifejacket



LIFEJACKET
CA 4510 C-A-B-Q



CHILDS LIFEJACKET
CA 4511 C-B

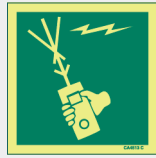


INFANT LIFEJACKET
CA 4119/I C-B

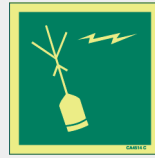
Rescue Equipment



RESCUE BOAT
CA 4501 C



SURVIVAL CRAFT PORTABLE RADIO
CA 4513 C



EPIRB
CA 4514 C

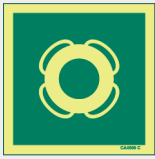


RADAR TRANSPONDER
CA 4515 C

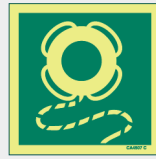


RESCUE BOAT MAX 2
CA 4118 C

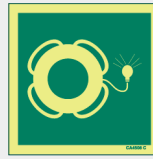
Lifebuoy



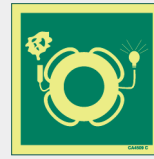
LIFEBUOY
CA 4506 C



LIFEBUOY WITH LINE
CA 4507 C



LIFEBUOY WITH LIGHT
CA 4508 C



LIFEBUOY WITH LIGHT AND SMOKE
CA 4509 C

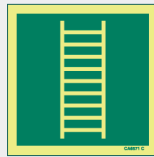


LIFEBUOY WITH LIGHT AND LINE
CA 4117 C

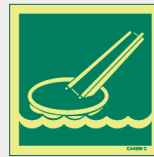
Evacuation



EMBARKATION LADDER
CA 4504 C



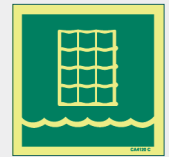
ESCAPE LADDER
CA 6571 C



EVACUATION SLIDE
CA 4505 C



EVACUATION CHUTE
CA 4112 C



SCRAMBLE NET
CA 4120 C

Survival Equipment



ANTI-EXPOSURE SUIT
CA 4113 C



IMMERSION SUIT
CA 4512 C



BREATHING APPARATUS
CA 6570 C



THERMAL PROTECTIVE AID
CA 4121 C



BREATHING APPARATUS
CA 4101 C/A/B

Pyrotechnics



SURVIVAL CRAFT DISTRESS SIGNALS
CA 4516 C

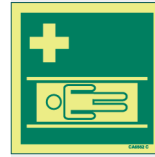


ROCKET PARACHUTE FLARES
CA 4517 C

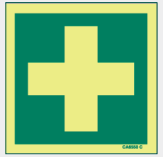


LINE-THROWING APPLIANCE
CA 4518 C

Medical Equipment



STRETCHER
CA 6562 C



MEDICAL LOCKER
CA 6550 C

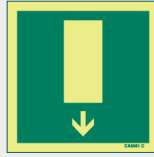
Emergency exit signs



EMERGENCY EXIT
CA 6559 C



EMERGENCY EXIT
CA 6560 C



EMERGENCY EXIT
CA 6561 C



EXIT
CA 4109 C



EXIT RIGHT
CA 6572 C



EXIT LEFT
CA 6573 C



EMERGENCY STAIR
CA 6564 C



EMERGENCY STAIR
CA 6565 C



EMERGENCY STAIR
CA 6566 C

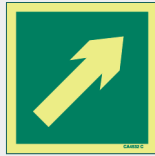


EMERGENCY STAIR
CA 6567 C

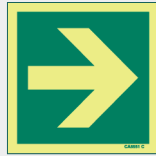
Indicator signs



DIRECTION INDICATOR
CA 4531 C



DIRECTION INDICATOR
CA 4532 C



INDICATOR SYMBOL
CA 6551 C



INDICATOR SYMBOL
CA 6552 C

FOR USE WITH ANY SYMBOL



DIRECTION INDICATOR
CA 4122 P



EMERGENCY EXIT INDICATOR
CA 4123 P

Generic signs



EMERGENCY STOP
CA 6563 C



MOBILITY IMPAIRED
CA 4111 C



SAFETY LOCKER
CA 4114 C



EMERGENCY TELEPHONE
CA 4103 C

Muster station



MUSTER STATION
CA 4519 C-N-Q

Location numbers



CA 6520 P-Y



CA 6521 P-Y



CA 6522 P-Y



CA 6523 P-Y



CA 6524 P-Y



CA 6525 P-Y



CA 6526 P-Y



CA 6527 P-Y



CA 6528 P-Y



CA 6529 P-Y



CA 6530 P-Y



CA 6531 P-Y



CA 6532 P-Y



CA 6533 P-Y



CA 6534 P-Y



CA 6535 P-Y



CA 6536 P-Y

H CA 6537 P
I CA 6539 P
J CA 6539 P
K CA 6540 P
L CA 6541 P
M CA 6542 P

N CA 6543 P
O CA 6544 P
P CA 6545 P
Q CA 6546 P
R CA 6547 P
S CA 6548 P

T CA 6549 P
U CA 6550 P
V CA 6551 P
W CA 6552 P
X CA 6553 P
Y CA 6554 P
Z CA 6555 P

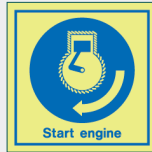
Survival Craft Instructions



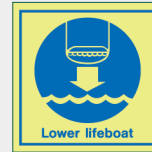
FASTEN SEAT BELTS
CA 5511 C



SECURE HATCHES
CA 5512 C



START ENGINE
CA 5513 C



LOWER LIFEBOAT
CA 5514 C



LOWER LIFERAFT
CA 5515 C



LOWER RESCUE BOAT
CA 5516 C



RELEASE FALLS
CA 5517 C



START WATER SPRAY
CA 5518 C



START AIR SUPPLY
CA 5519/1 C



RELEASE GRIPES
CA 5520 C

Lifeboat & Liferaft



LIFEBOAT
CA 5521 C-N-Q



LIFERAFT
CA 5522 C



DAVIT-LAUNCHED LIFERAFT
CA 5523 C

Lifejacket



LIFEJACKET
CA 5524 C-A-B-Q



CHILDS LIFEJACKET
CA 5525 C-B



INFANT LIFEJACKET
CA 5526 C-B



OVERSIZE LARGE CHEST
CA 5555 C-B

Rescue Equipment



RESCUE BOAT
CA 5527 C



SURVIVAL CRAFT PORTABLE RADIO
CA 5528 C



EPIRB
CA 5529 C



RADAR TRANSPONDER
CA 5530 C



RESCUE BOAT MAX. 2
PERSONS DURING LOWERING
AND RECOVERY
CA 4118 C

Lifebuoy



LIFEBUOY
CA 5531 C



LIFEBUOY WITH LINE
CA 5532 C



LIFEBUOY WITH LIGHT
CA 5533 C



LIFEBUOY WITH LIGHT AND SMOKE
CA 5534 C



LIFEBUOY WITH LIGHT AND LINE
CA 4117 C

Evacuation



EMBARKATION LADDER
CA 5535 C



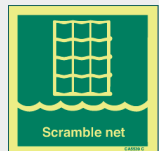
ESCAPE LADDER
CA 5536 C



EVACUATION SLIDE
CA 5537 C



EVACUATION CHUTE
CA 5538 C



SCRAMBLE NET
CA 5539 C

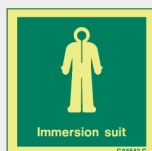
Survival Equipment



EEBD
CA 4100 C



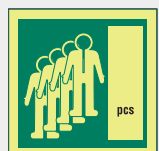
ANTI-EXPOSURE SUIT
CA 5541 C



IMMERSION SUIT
CA 5542 C



THERMAL PROTECTIVE AID
CA 6568 C



CA 5553

Pyrotechnics



SURVIVAL CRAFT DISTRESS SIGNALS
CA 5544 C



ROCKET PARACHUTE FLARES
CA 5545 C



LINE-THROWING APPLIANCE
CA 5546 C

Emergency devices



EMERGENCY TELEPHONE
CA 4132 C



GENERAL ALARM
CA 4115 C



EMERGENCY STOP
CA 4133 C

Medical Equipment



MEDICAL LOCKER
CA 5547 C



STRETCHER
CA 5548 C



FIRST AID
CA 5549 C



RESUSCITATOR
CA 4116 C

Gas detector



HAND HELD GAS DETECTOR
CA 6569 C

Muster station



MUSTER STATION
CA 5519 C-N-Q



EXAMPLE

Safety plan



SAFETY PLAN
CA FCS 092 C

Safety locker



SAFETY LOCKER
CA 4114 C

Comment on use



Indicate the reference number of the stowage position at the right side of the symbol. Survival craft capacity, where not indicated in the legend, shall be indicated at the bottom of the symbol.



Indicate the reference number of the stowage position at the right side of the symbol. This symbol should also be used for fast rescue boats.



Indicate the reference number of the stowage position at the right side of the symbol. The number and capacity of the survival craft, where not indicated in the legend, shall be indicated at the bottom of the symbol.



Indicate the reference number of the stowage position at the right side of the symbol. The number and capacity of the survival craft, where not indicated in the legend, shall be indicated at the bottom of the symbol.



This symbol should be used when lifejackets are stowed outside the cabins. Indicate the number of lifejackets stowed at the right side of the symbol.



This symbol should be used when lifejackets are stowed outside the cabins. Indicate the number of lifejackets stowed at the right side of the symbol.



Indicate the reference letter of the assembly station at the right side of the symbol.



Indicate the reference number of the systems at the right side of the symbol. The number and capacity of the survival craft, where not indicated in the legend, shall be indicated at the bottom of the symbol.



Indicate the reference number of the systems at the right side of the symbol. The number and capacity of the survival craft, where not indicated in the legend, shall be indicated at the bottom of the symbol.



Indicate the quantity of the immersion suits stowed at the right side of the symbol.



Indicate the quantity of the TPA stowed at the right side of the symbol.



Indicate the quantity of the AES stowed at the right side of the symbol.



Indicate the quantity of the EEBD stowed at the right side of the symbol.



Indicate the reference number of the safety locker at the right side of the symbol.

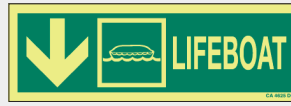
Lifeboat



Lifeboat with arrow left
CA 4624 D



Lifeboat with arrow right
CA 4631 D



Lifeboat with arrow down on left
CA 4625 D



Lifeboat with arrow down on right
CA 4633 D



Lifeboat with arrow up on left
CA 4626 D



Lifeboat with arrow up on right
CA 4632 D



Lifeboat with arrow diagonally up left
CA 4627 D



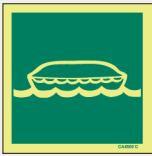
Lifeboat with arrow diagonally up right
CA 4630 D



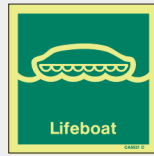
Lifeboat with arrow diagonally down left
CA 4628 D



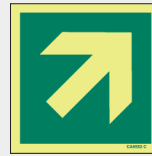
Lifeboat with arrow diagonally down right
CA 4629 D



LIFEBOAT
CA 4500 C-N-Q



LIFEBOAT
CA 5521 C



INDICATOR SYMBOL
CA 6552 C



INDICATOR SYMBOL
CA 6551 C

Muster Station



CA 4634 D



CA 4641 D



CA 4635 D



CA 4643 D



CA 4636 D



CA 4642 D



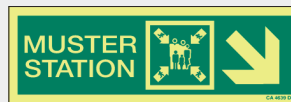
CA 4637 D



CA 4640 D



CA 4638 D



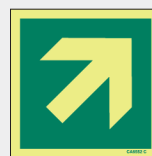
CA 4639 D



MUSTER STATION
CA 4519 C-N-Q



MUSTER STATION
CA 5519 C-N-Q

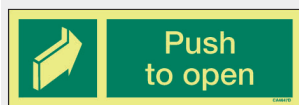


INDICATOR SYMBOL
CA 6552 C

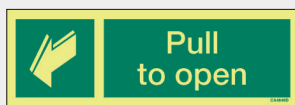


INDICATOR SYMBOL
CA 6551 C

Emergency door operation



CA 4647 D



CA 4648 D



CA 4656 D



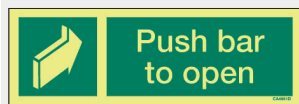
CA 4655 D



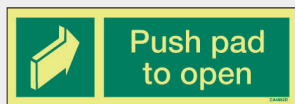
CA 4666 W



CA 4667 W



CA 4661 D



CA 4662 D



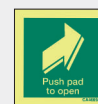
CA 4656 D



CA 4655 D

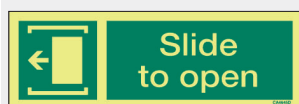


CA 4668 A

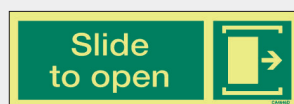


CA 4669 A

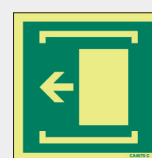
Slide to open



CA 4645 D



CA 4646 D



CA 4670 C



CA 4671 C

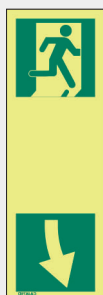
Turn to open



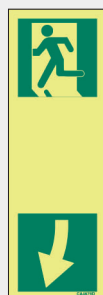
CA 4657 D



CA 4658 D



CA 4678 D



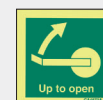
CA 4679 D



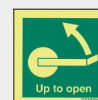
CA 4659 W



CA 4660 W



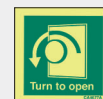
CA 4672 A



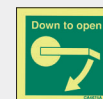
CA 4673 A



CA 4676 A



CA 4677 A

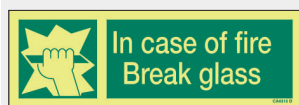


CA 4674 A

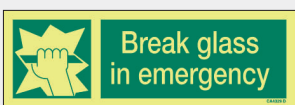


CA 4675 A

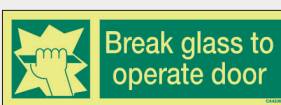
Break glass



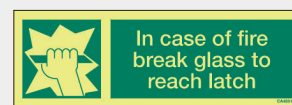
CA 4315 D



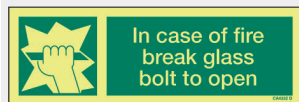
CA 4329 D



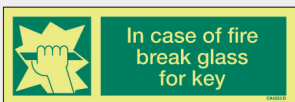
CA 4330 D



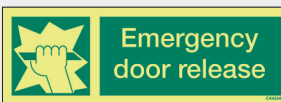
CA 4331 D



CA 4332 D

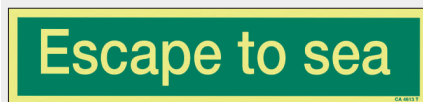


CA 4333 D

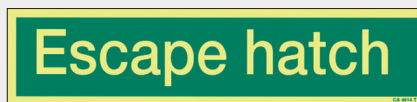


CA 4334 D

Escape signs



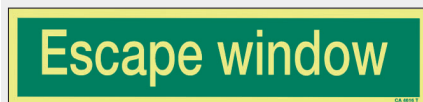
CA 4613 T



CA 4614 T



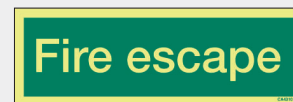
CA 4615 T



CA 4616 T



CA 4617 T



CA 4310 D

Combination Exit signs



CA 4601 S



CA 4602 S



CA 4603 S



CA 4604 S



CA 4605 S



CA 4606 S



CA 4607 S



CA 4608 S



CA 4609 S



CA 4610 S



CA 4611 S



CA 4612 S

Component signs



CA 4109 C



CA 4119 C



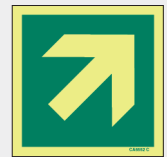
CA 6572 C



CA 6573 C

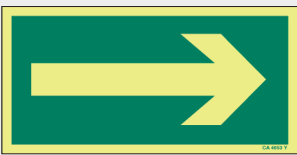


CA 6551 C



CA 6552 C

Exit signs



CA 4653 Y



CA 4621 Y



CA 4622 Y



CA 4623 Y



CA 4600 Y

Emergency Exit signs



CA 4620 Y



CA 4644 Y



CA 4618 Y



CA 4619 Y

Combination Fire Exit signs



CA 4680 S



CA 4681 S



CA 4682 S



CA 4683 S



CA 4684 S



CA 4685 S



CA 4686 S



CA 4687 S



CA 4688 S



CA 4689 S



CA 4690 S



CA 4691 S

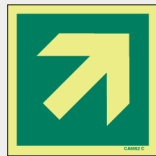
Component signs



CA 4120 C



CA 6551 C



CA 6552 C

Example of use
are not to scale



CA 6572 C



CA 6573 C



CA 4111 C

Mobility Impaired signs



CA 4661 Y



CA 4662 Y



CA 4663 Y

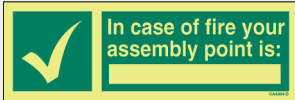


CA 4664 Y



CA 4665 D

Special signs



CA 4304 D



CA 4314 D



CA 4317 D



CA 4318 D



CA 4319 D



CA 4320 D



CA 4322 D



CA 4325 D



CA 4328 D



CA 4330 A



CA 4331 A



CA 20 AL X



CA 21 AL X

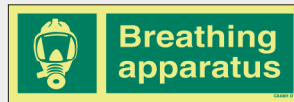
Breathing apparatus



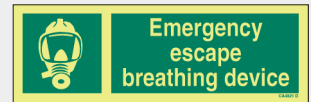
CA 4100 C-A-B



CA 4101 C-A-B



CA 4301 D



CA 4321 D

Medical signs



CA 6550 C



CA 4128 C



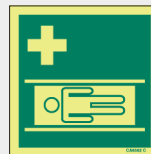
CA 4116 C



CA 4129 C



CA 4130 C



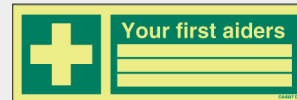
CA 6562 C



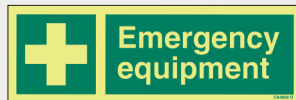
CA 4131 C



CA 4313 D



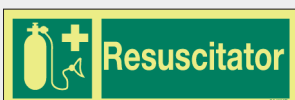
CA 4327 D



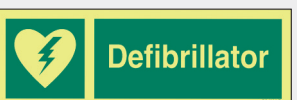
CA 4302 D



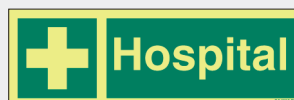
CA 4309 D



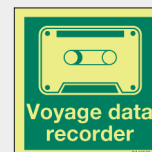
CA 4326 D



CA 4336 D



CA 4335 D

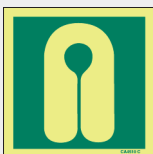


CA 4124 C



CA 4236 E

Lifeflacket



CA 4510 C-A-B-Q



CA 4511 C-B



CA 4119/I C-B



CA 5524 C-A-B-Q



CA 5525 C-B



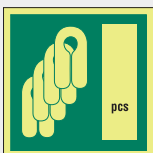
CA 5526 C-B



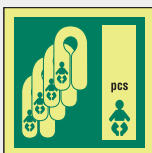
CA 4110 C



CA 4324 D



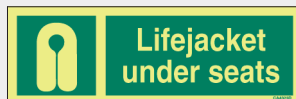
CA 5550



CA 5551



CA 5552



CA 4323 D



CA 4337 D



CA 4237 E

Emergency telephone



CA 4103 C



CA 4303 D

Helideck



CA 4126 C



CA 4316 D

Emergency stop



CA 6563 C



CA 4311 D



CA 5150 C



CA 5151 C

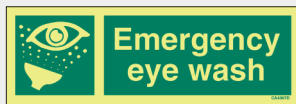


CA 5152 D

Emergency eye wash

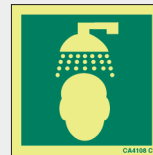


CA 4107 C

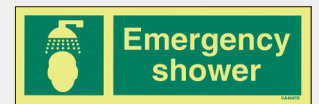


CA 4307 D

Emergency shower



CA 4108 C



CA 4308 D

Drinking water facility



CA 4127 C

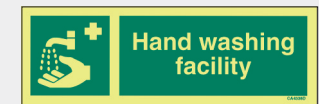


CA 4306 D

Hand washing

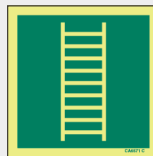


CA 4125 C



CA 4338 D

Escape ladder



CA 6571 C



CA 4312 D

General alarm



CA 4115 C

Aldis lamp



CA 4520 C

Emergency stair



CA 6564 C



CA 6565 C



CA 6566 C



CA 6567 C



CA 4305 D

Strontium Aluminate Rigid Strip LLL System

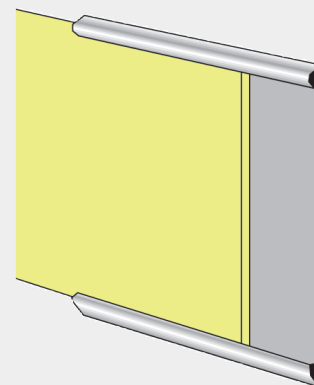
This system comprises of an aluminium carrier extrusion and rigid photoluminescent insert panels, offering a quick and easy installation combined with rugged and durable quality.

The carrier offers a 75 mm visible width of photoluminescent material.

The photoluminescent performance of the rigid panels is certified.

CA 9988 Rigid photoluminescent insert panels Size 150x75 mm

CA 9989 Aluminium carrier extrusion Size 150x80 mm (visible)



CA 9990



CA 9991



CA 9992



CA 9993



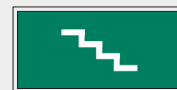
CA 9994



CA 9995



CA 9996



CA 9997

Low Location Lighting Signs

A range of signs sized to fit the system above. The signs are printed on clear, heavy duty vinyl which allows the photoluminescent LLL strip to shine through, highlighting the printed symbol.

Size 75 x 75 mm



CA 9980



CA 9981



CA 9982

The signs are supplied only in packs of ten.



CA 9983



CA 9984



CA 9985

Size 250 x 75 mm



CA 9998



CA 9999

Material details:

CAIM Phospho is a high intensity phosphorescent vinyl film which complies with the requirements for safety signs when tested to DIN 67510 part1.

Highly visible to the human eye in the dark after exposure to natural or artificial light.

After exposure to sun light or artificial light, CAIM Phospho will glow in darkness conditions.

The intensity of the glow diminishes with time and is strongest during the initial half hour, but in any event is still visible after 8 hours to a naked eye that has become accustomed to the darkness.

Luminance (glow duration) DIN 67510

- after 10 min. : 100 mcd/sqm

- after 60 min. : 14 mcd/sqm

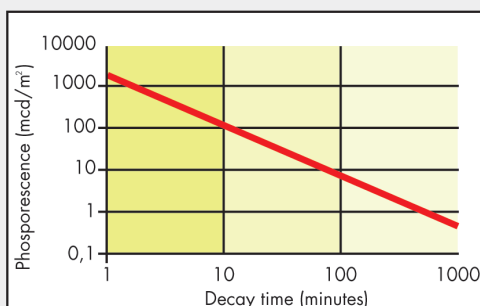
When film initially charged at 1000 lux for 5 minutes

CERTIFICATE OF
R.N. C/050228

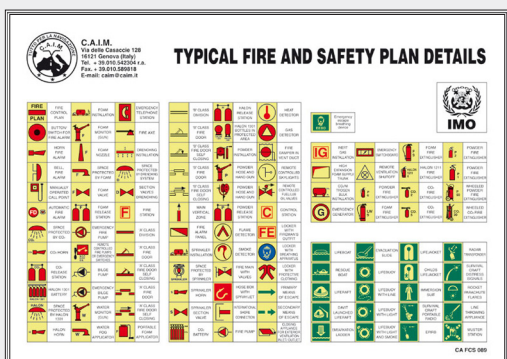


AIDO
INSTITUTO TECNOLÓGICO
DE ÓPTICA, COLOR E IMAGEM

Minutes	mcd/m ²
5	199,4
10	96.10
30	27.87
60	12.06
120	5.05
1235	0.3



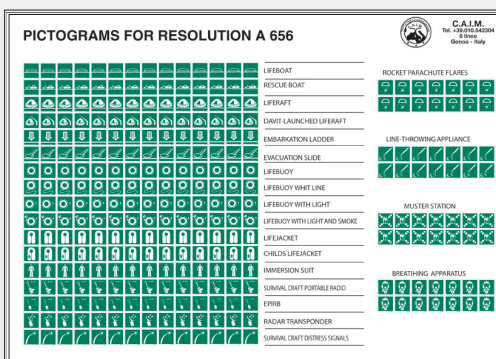
For resolution A 654 (16)



CA FCS 089

Safety and Fire control Symbols one sheet of 109 pictograms
size 25 x 17,5 cm - self adhesive

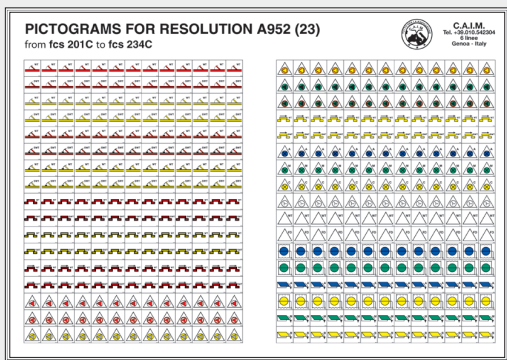
For resolution A 654 (16)



CA FCS 500

IMO Symbols one sheet of 294 pictograms 14 pictograms for each sign
size 30 x 20 cm - self adhesive

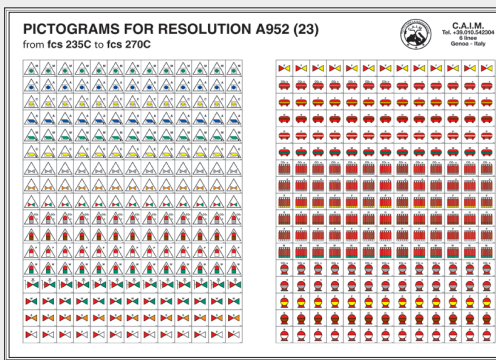
For resolution A 952 (23)



CA FCS 501 C

Fire Control Symbols:
one sheet of 442 pictograms 13 pictograms for each sign.
From CA FCS 201 to CA FCS 234 see page 17-18-19
size 30 x 20 cm - self adhesive

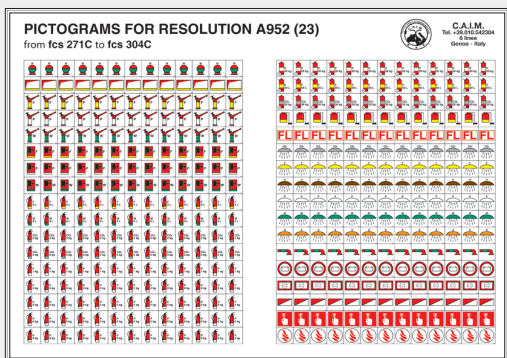
For resolution A 952 (23)



CA FCS 502

Fire Control Symbols:
one sheet of 442 pictograms 13 pictograms for each sign
From CA FCS 235 to CA FCS 270 see page 17-18-19
size 30 x 20 cm - self adhesive

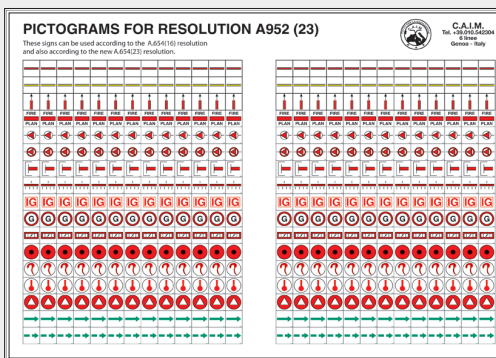
For resolution A 952 (23)



CA FCS 503 C

Fire Control Symbols:
one sheet of 442 pictograms 13 pictograms for each sign
From CA FCS 271 to CA FCS304 see page 17-18-19
size 30 x 20 cm - self adhesive

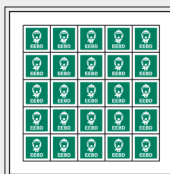
For resolution A 952 (23)



CA FCS 504

Fire Control Symbols:
one sheet of 442 pictograms 13 pictograms for each sign
see pag 19
size 30 x 20 cm - self adhesive

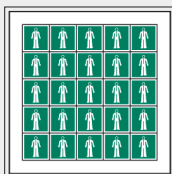
Emergency escape breathing device



CA FCS 089 A

Emergency escape Breathing device
25 pictograms for each sign
size 7 x 7 cm - self adhesive

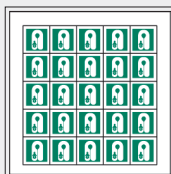
Immersion suit



CA 4512.01

Immersion suit
25 pictograms for each sign
size 7 x 7 cm - self adhesive

Childs lifejacket



CA 4511.01

Childs lifejacket
25 pictograms for each sign
size 7 x 7 cm - self adhesive

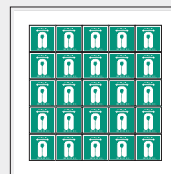
Infant lifejacket



CA 4119.01

Infant lifejacket
25 pictograms for each sign
size 7 x 7 cm - self adhesive

Oversize Large Chest


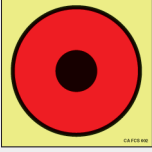
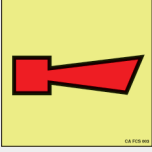

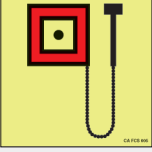


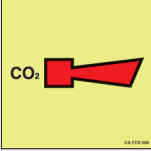
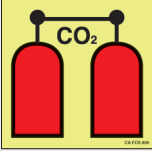


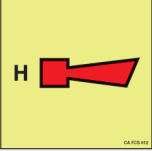
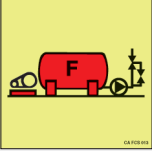
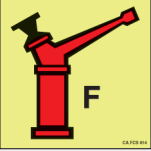

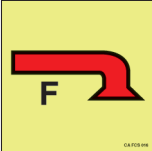
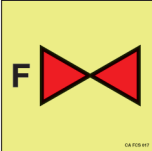
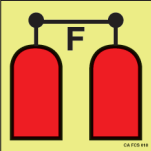
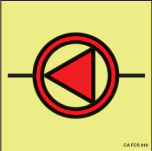

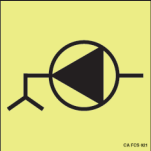


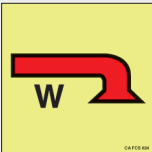




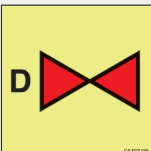

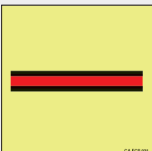
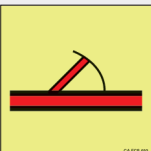
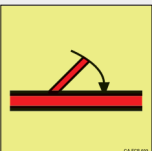
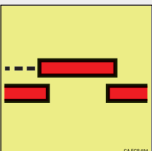
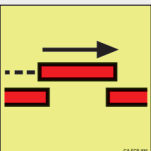

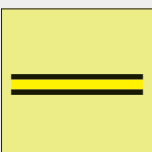
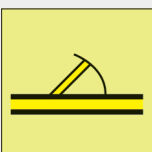
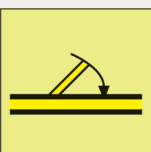
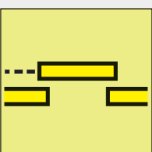
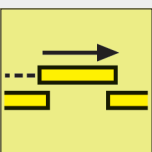
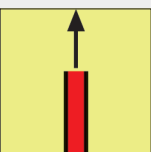
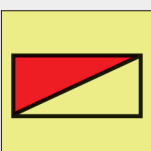
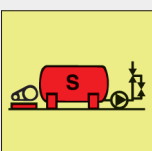
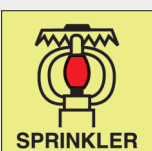
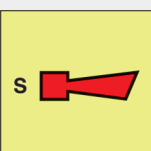
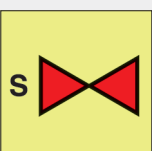
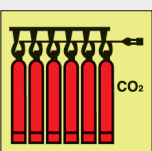
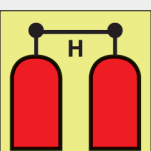


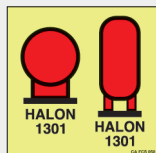
CA 5555.01

Oversize Large Chest
25 pictograms for each sign
size 7 x 7 cm - self adhesive

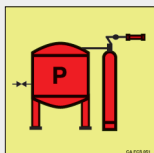
REGULATION:

Resolution A654 (16) amending Chapter II-2, Regulation 20 requires the use of these symbols on fire control plans and booklets as an international standard. These symbols are often used to identify actual equipment where no standard sign is available.

 FIRE CONTROL PLAN CA FCS 001 C	 PUSH-BUTTON/SWITCH FOR FIRE ALARM CA FCS 002 C	 HORN, FIRE ALARM CA FCS 003 C	 BELL, FIRE ALARM CA FCS 004 C	 MANUALLY OPERATED CALL POINT CA FCS 005 C	 SPACE PROTECTED BY AUTOMATIC FIRE ALARM CA FCS 006 C	 SPACE PROTECTED BY CO ₂ CA FCS 007 C
 CO ₂ HORN CA FCS 008 C	 CO ₂ RELEASE STATION CA FCS 009 C	 HALON 1301 BATTERY CA FCS 010 C	 SPACE PROTECTED BY HALON 1301 CA FCS 011 C	 HALON HORN CA FCS 012 C	 FOAM INSTALLATION CA FCS 013 C	 FOAM MONITOR (GUN) CA FCS 014 C
 FOAM NOZZLE CA FCS 015 C	 SPACE PROTECTED BY FOAM CA FCS 016 C	 FOAM VALVE CA FCS 017 C	 FOAM RELEASE STATION CA FCS 018 C	 EMERGENCY FIRE PUMP CA FCS 019 C	 REMOTE CONTROLLED FIRE PUMPS OR EMERGENCY SWITCHES CA FCS 020 C	 BILGE PUMP CA FCS 021 C
 EMERGENCY BILGE PUMP CA FCS 022 C	 WATER MONITOR (GUN) CA FCS 023 C	 WATER FOG APPLICATOR CA FCS 024 C	 EMERGENCY TELEPHONE STATION CA FCS 025 C	 FIRE AXE CA FCS 026 C	 DRENCHING INSTALLATION CA FCS 027 C	 SPACE PROTECTED BY DRENCHING SYSTEM CA FCS 028 C
 SECTION VALVES DRENCHING CA FCS 029 C	 FIRE STATION CA FCS 030 C	 "A" CLASS FIRE DIVISION CA FCS 031 C	 "A" CLASS FIRE DOOR CA FCS 032 C	 "A" CLASS FIRE DOOR SELF CLOSING CA FCS 033 C	 "A" CLASS FIRE DOOR CA FCS 034 C	 "A" CLASS FIRE DOOR SELF CLOSING CA FCS 035 C
 PORTABLE FOAM APPLICATOR CA FCS 036 C	 "B" CLASS FIRE DIVISION CA FCS 037 C	 "B" CLASS FIRE DOOR CA FCS 038 C	 "B" CLASS FIRE DOOR SELF CLOSING CA FCS 039 C	 "B" CLASS FIRE DOOR CA FCS 040 C	 "B" CLASS FIRE DOOR SELF CLOSING CA FCS 041 C	 MAIN VERTICAL ZONE CA FCS 042 C
 FIRE ALARM PANEL CA FCS 043 C	 SPRINKLER INSTALLATION CA FCS 044 C	 SPACE PROTECTED BY SPRINKLER CA FCS 045 C	 SPRINKLER HORN CA FCS 046 C	 SPRINKLER SECTION VALVE CA FCS 047 C	 CO ₂ BATTERY CA FCS 048 C	 HALON RELEASE STATION CA FCS 049 C



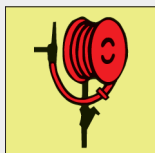
HALON 1301 BOTTLES
IN PROTECTED AREA
CA FCS 050 C



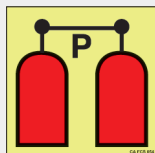
POWDER
INSTALLATION
CA FCS 051 C



POWDER
MONITOR
CA FCS 052 C



POWDER HOSE
AND HAND GUN
CA FCS 053 C



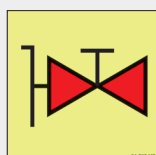
POWDER
RELEASE STATION
CA FCS 054 C



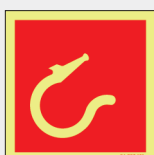
FLAME
DETECTOR
CA FCS 055 C



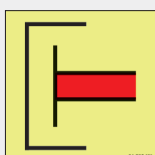
SMOKE
DETECTOR
CA FCS 056 C



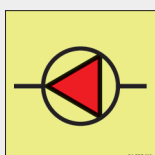
FIRE MAIN
WITH VALVES
CA FCS 057 C



HOSE BOX
WITH SPRAY/JET
CA FCS 058 C



INTERNATIONAL
SHORE CONNECTION
CA FCS 059 C



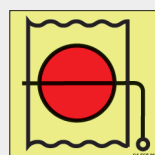
FIRE
PUMP
CA FCS 060 C



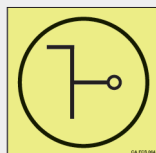
HEAT
DETECTOR
CA FCS 061 C



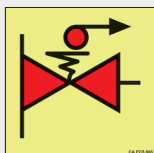
GAS
DETECTOR
CA FCS 062 C



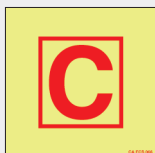
FIRE DAMPER
IN VENT DUCT
CA FCS 063 C



REMOTE CONTROLLED
SKYLIGHTS
CA FCS 064 C



REMOTE CONTROLLED FUEL/
LUBRICATING OIL VALVES
CA FCS 065 C



CONTROL
STATION
CA FCS 066 C



LOCKER WITH
FIREMAN'S OUTFIT
CA FCS 067 C



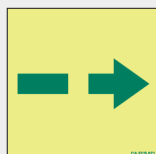
LOCKER WITH ADDITIONAL
BREATHING APPARATUS
CA FCS 068 C



LOCKER WITH ADDITIONAL
PROTECTIVE CLOTHING
CA FCS 069 C



PRIMARY
MEANS OF ESCAPE
CA FCS 070 C



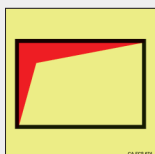
SECONDARY
MEANS OF ESCAPE
CA FCS 071 C



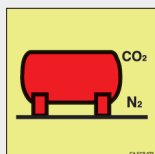
CLOSING APPLIANCE FOR EXTERIOR
VENTILATOR INLET OR OUTLET
CA FCS 072 C



INERT
GAS INSTALLATION
CA FCS 073 C



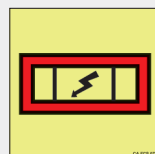
HIGH EXPANSION
FOAM SUPPLY TRUNK
CA FCS 074 C



CO₂ / NITROGEN
BULK INSTALLATION
CA FCS 075 C



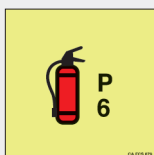
EMERGENCY
GENERATOR
CA FCS 076 C



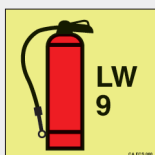
EMERGENCY
SWITCHBOARD
CA FCS 077 C



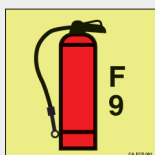
REMOTE VENTILATION
SHUTOFF
CA FCS 078 C



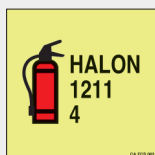
POWDER
FIRE EXTINGUISHER
CA FCS 079 C



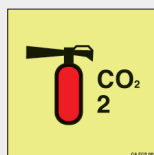
FOAM
FIRE EXTINGUISHER
CA FCS 080 C



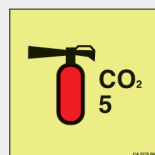
FOAM
FIRE EXTINGUISHER
CA FCS 081 C



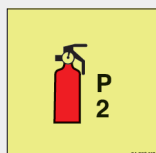
HALON 1211
FIRE EXTINGUISHER
CA FCS 082 C



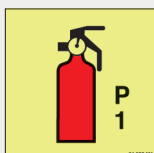
CO₂
FIRE EXTINGUISHER
CA FCS 083 C



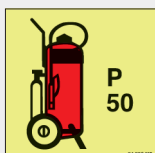
CO₂
FIRE EXTINGUISHER
CA FCS 084 C



POWDER
FIRE EXTINGUISHER
CA FCS 085 C



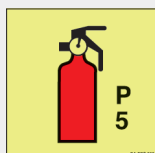
POWDER
FIRE EXTINGUISHER
CA FCS 086 C



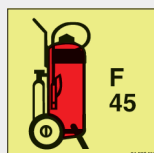
WHEELED POWDER
FIRE EXTINGUISHER
CA FCS 087 C



WHEELED CO₂
FIRE EXTINGUISHER
CA FCS 088 C



POWDER
FIRE EXTINGUISHER
CA FCS 090 C



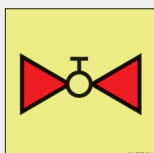
WHEELED FOAM
FIRE EXTINGUISHER
CA FCS 091 C



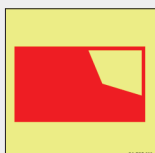
SAFETY
PLAN
CA FCS 092 C



FOAM APPLICATOR
AND HOSE
CA FCS 093 C



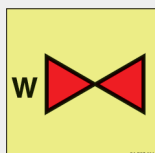
CO₂ PNEUMATIC
RELEASE VALVE
CA FCS 094 C



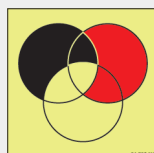
FIRE
BLANKET
CA FCS 095 C



MOVABLE
EXTINGUISHER PUMP
CA FCS 096 C



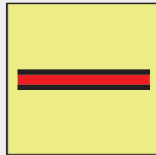
SECTION
VALVES WATER
CA FCS 097 C



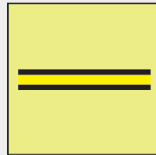
SPARE CHARGES FOR
FIRE EXTINGUISHER
CA FCS 098 C

REGULATION:

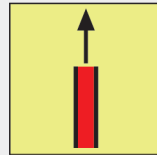
ISO 17631 requires the use of the of the symbols on fire plans and booklets for new vessels or where existing fire plans have been significantly. These symbols are currently intended for use solely on fire plans, but in response to requests from the industry they are offered as signs to indentify actual equipent where no standard sign is available. Purchasers should be aware that they are not currently recommended for use as signs by any official body. Although this situation mey change if the future, there is no guarantee that the desings will be identical to those shown below.



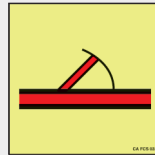
"A" CLASS DIVISION
CA FCS 031 C



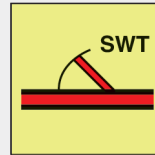
"B" CLASS DIVISION
CA FCS 037 C



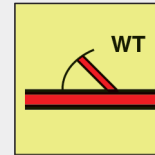
MAIN VERTICAL ZONE
CA FCS 042 C



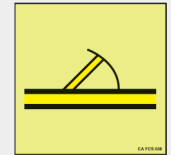
"A" CLASS
FIRE DOOR
CA FCS 032 C



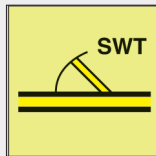
"A" CLASS
SEMI-WATERTIGHT
FIRE DOOR
CA FCS 201 C



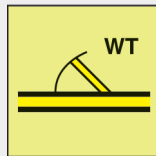
"A" CLASS
WATERTIGHT
FIRE DOOR
CA FCS 202 C



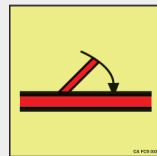
"B" CLASS
FIRE DOOR
CA FCS 038 C



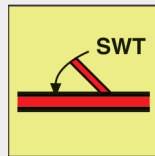
"B" CLASS
SEMI-WATERTIGHT
FIRE DOOR
CA FCS 203 C



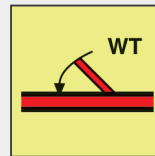
"B" CLASS
WATERTIGHT
FIRE DOOR
CA FCS 204 C



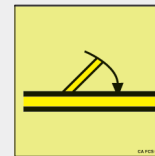
"A" CLASS FIRE
DOOR SELF-CLOSING
CA FCS 033 C



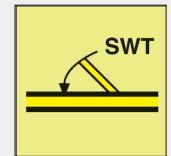
"A" CLASS HINGED
SEMI-WATERTIGHT
SELF-CLOSING FIRE DOOR
CA FCS 205 C



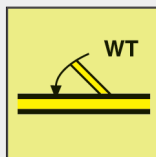
"A" CLASS HINGED
WATERTIGHT
SELF-CLOSING FIRE DOOR
CA FCS 206 C



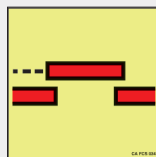
"B" CLASS FIRE
DOOR SELF-CLOSING
CA FCS 039 C



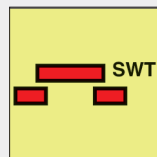
"B" CLASS HINGED
SEMI-WATERTIGHT
SELF-CLOSING FIRE DOOR
CA FCS 207 C



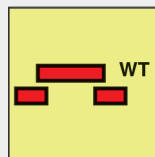
"B" CLASS HINGED
WATERTIGHT
SELF-CLOSING FIRE DOOR
CA FCS 208 C



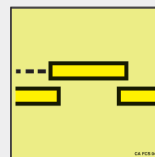
"A" CLASS
FIRE DOOR
CA FCS 034 C



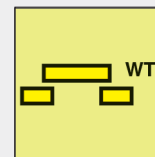
A-CLASS SLIDING
SEMI-WATERTIGHT
FIRE DOOR
CA FCS 209 C



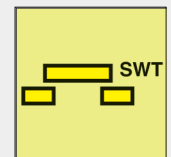
A-CLASS SLIDING
WATERTIGHT FIRE
DOOR
CA FCS 210 C



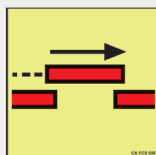
"B" CLASS
FIRE DOOR
CA FCS 040 C



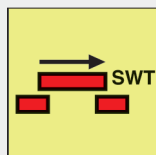
B-CLASS SLIDING
SEMI-WATERTIGHT
FIRE DOOR
CA FCS 211 C



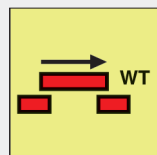
B-CLASS SLIDING
WATERTIGHT FIRE
DOOR
CA FCS 212 C



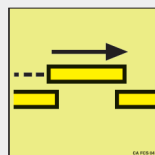
"A" CLASS
SELF-CLOSING
SLIDING FIRE DOOR
CA FCS 035 C



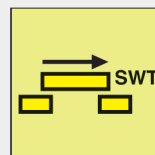
"A" CLASS SELF-CLOSING
SLIDING SEMI-WATERTIGHT
FIRE DOOR
CA FCS 213 C



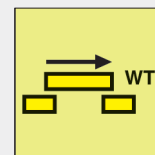
"A" CLASS SELF-CLOSING
SLIDING
WATERTIGHT FIRE DOOR
CA FCS 214 C



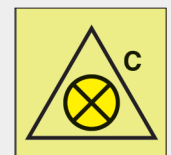
"B" CLASS
SELF-CLOSING
SLIDING FIRE DOOR
CA FCS 041 C



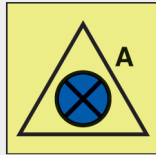
"B" CLASS SELF-CLOSING
SLIDING SEMI-WATERTIGHT
FIRE DOOR
CA FCS 215 C



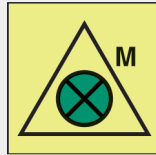
"B" CLASS SELF-CLOSING
SLIDING
WATERTIGHT FIRE DOOR
CA FCS 216 C



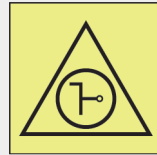
CARGO SPACES
VENTILATION REMOTE
CONTROL OR SHUT-OFF
CA FCS 225 C



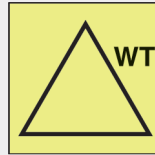
ACCOMMODATION AND
SERVICE SPACES VENTILATION
REMOTE CONTROL OR
SHUT-OFF
CA FCS 223 C



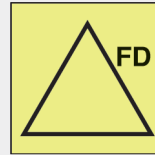
MACHINERY SPACES
VENTILATION REMOTE
CONTROL OR SHUT-OFF
CA FCS 224 C



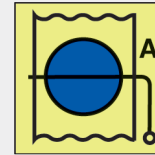
REMOTE CONTROL
FOR SKYLIGHT
CA FCS 226 C



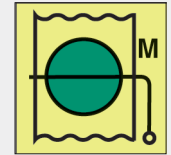
REMOTE CONTROL
FOR WATERTIGHT
DOORS
CA FCS 227 C



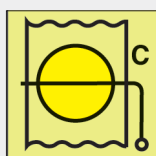
REMOTE CONTROL
FOR FIRE DOORS
CA FCS 228 C



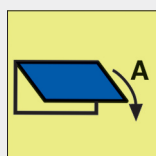
FIRE DAMPER FOR
ACCOMMODATION
AND SERVICE SPACES
CA FCS 229 C



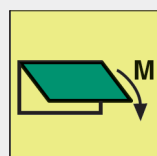
FIRE DAMPER FOR
MACHINERY SPACES
CA FCS 230 C



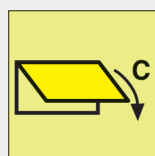
FIRE DAMPER FOR
CARGO SPACES
CA FCS 231 C



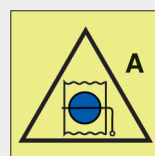
ACCOMMODATION AND
SERVICE SPACES CLOSING
DEVICE FOR VENTILATION
INLET OR OUTLET
CA FCS 232 C



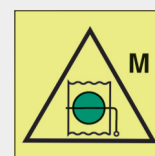
MACHINERY SPACES
CLOSING DEVICE FOR
VENTILATION INLET OR
OUTLET
CA FCS 233 C



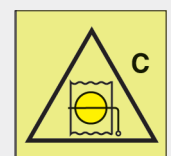
CARGO SPACES CLOSING
DEVICE FOR VANTILATION
INLET OR OUTLET
CA FCS 234 C



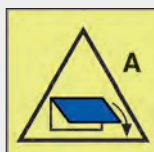
REMOTE CONTROL
FOR FIRE DAMPER IN
ACCOMMODATION AND
SERVICE SPACES
CA FCS 235 C



REMOTE CONTROL
FOR FIRE DAMPER IN
MACHINERY SPACES
CA FCS 236 C



REMOTE CONTROL
FOR FIRE DAMPER IN
CARGO SPACES
CA FCS 237 C



REMOTE CONTROL FOR ACCOMMODATION AND SERVICES SPACES CLOSING DEVICE FOR VENTILATION INLET OR OUTLET

CA FCS 238 C



REMOTE CONTROL FOR MACHINERY SPACES CLOSING DEVICE FOR VENTILATION INLET OR OUTLET

CA FCS 239 C



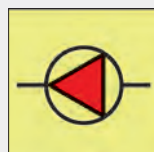
REMOTE CONTROL FOR CARGO SPACES CLOSING DEVICE FOR VENTILATION INLET OR OUTLET

CA FCS 240 C



FIRE CONTROL PLAN

CA FCS 001 C



FIRE PUMP

CA FCS 060 C



REMOTE CONTROL FOR FIRE PUMP

CA FCS 217 C



REMOTE CONTROL FOR EMERGENCY FIRE PUMP OR FIRE PUMP SUPPLIED BY THE EMERGENCY SOURCE OF POWER

CA FCS 218 C



FUEL PUMP(S) REMOTE SHUT-OFF

CA FCS 219 C



LUBE OIL REMOTE SHUT-OFF

CA FCS 220 C



REMOTE CONTROL FOR BILGE PUM(S)

CA FCS 221 C



REMOTE CONTROL FOR EMERGENCY BILGE PUMP

CA FCS 222 C



REMOTE CONTROL FOR FUEL OIL VALVES

CA FCS 241 C



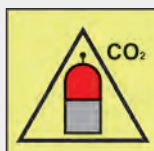
REMOTE CONTROL FOR LUBE OIL VALVES

CA FCS 242 C



REMOTE CONTROL FOR FIRE PUMP VALVE(S)

CA FCS 243 C



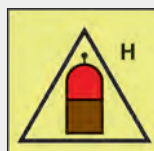
CO₂ FIXED FIRE EXTINGUISHING REMOTE RELEASE STATION

CA FCS 244 C



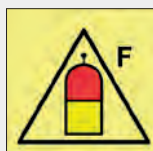
NITROGEN EXTINGUISHING REMOTE RELEASE STATION

CA FCS 245 C



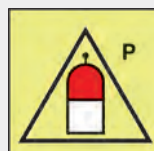
GAS OTHER THAN CO₂ OR NITROGEN REMOTE RELEASE STATION

CA FCS 246 C



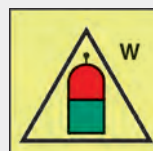
REMOTE RELEASE STATION FOR FOAM

CA FCS 315 C



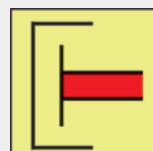
POWDER REMOTE RELEASE STATION

CA FCS 247 C



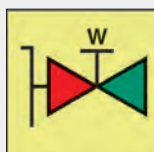
WATER REMOTE RELEASE STATION

CA FCS 248 C



INTERNATIONAL SHORE CONNECTION

CA FCS 059 C



FIRE HYDRANT

CA FCS 249 C



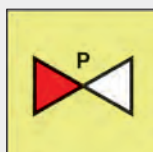
FIRE MAIN SECTION VALVE

CA FCS 250 C



SPRINKLER SECTION VALVE

CA FCS 251 C



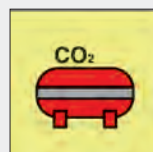
POWDER SECTION VALVE

CA FCS 252 C



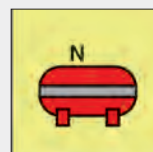
FOAM SECTION VALVE

CA FCS 253 C



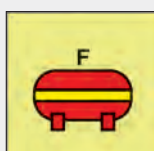
CO₂ FIXED FIRE EXTINGUISHING INSTALLATION

CA FCS 254 C



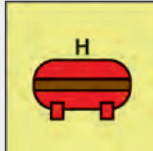
NITROGEN FIXED FIRE EXTINGUISHING INSTALLATION

CA FCS 255 C



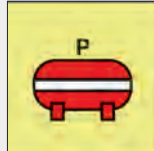
FOAM FIXED FIRE EXTINGUISHING INSTALLATION

CA FCS 256 C



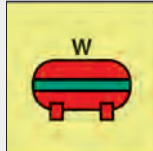
GAS OTHER THAN CO₂ OR NITROGEN FIXED FIRE EXTINGUISHING INSTALLATION

CA FCS 257 C



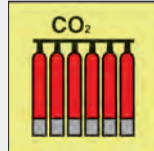
POWDER FIXED FIRE EXTINGUISHING INSTALLATION

CA FCS 258 C



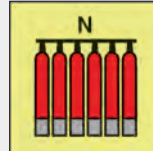
WATER FIXED FIRE EXTINGUISHING INSTALLATION

CA FCS 259 C



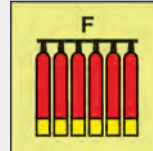
CO₂ FIXED FIRE EXTINGUISHING BATTERY

CA FCS 260 C



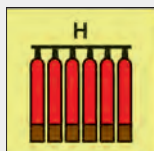
NITROGEN FIXED FIRE EXTINGUISHING BATTERY

CA FCS 261 C



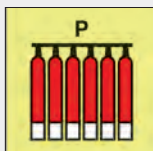
FOAM FIXED FIRE EXTINGUISHING BATTERY

CA FCS 262 C



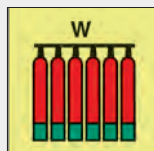
GAS OTHER THAN CO₂ OR NITROGEN FIXED FIRE EXTINGUISHING BATTERY

CA FCS 263 C



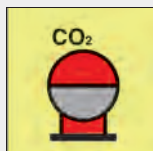
POWDER FIXED FIRE EXTINGUISHING BATTERY

CA FCS 264 C



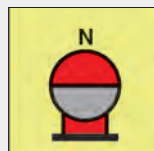
WATER FIXED FIRE EXTINGUISHING BATTERY

CA FCS 265 C



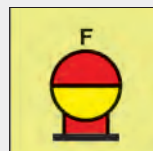
FIXED CO₂ FIRE EXTINGUISHING BOTTLE, PLACED IN PROTECTED AREA

CA FCS 266 C



FIXED NITROGEN FIRE EXTINGUISHING BOTTLE, PLACED IN PROTECTED AREA

CA FCS 267 C



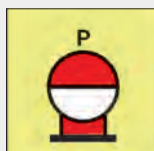
FIXED FOAM FIRE EXTINGUISHING BOTTLE, PLACED IN PROTECTED AREA

CA FCS 268 C



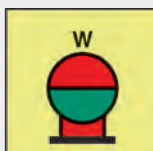
FIXED GAS OTHER THAN CO₂ OR NITROGEN FIXED FIRE EXTINGUISHING BOTTLE, PLACED IN PROTECTED AREA

CA FCS 269 C



FIXED POWDER FIRE EXTINGUISHING BOTTLE, PLACED IN PROTECTED AREA

CA FCS 270 C



FIXED WATER FIRE EXTINGUISHING BOTTLE, PLACED IN PROTECTED AREA

CA FCS 271 C



HIGH EXPANSION FOAM SUPPLY TRUNK (OUTLET)

CA FCS 272 C



DRENCHING INSTALLATION

CA FCS 027 C



INERT GAS INSTALLATION

CA FCS 073 C



FOAM MONITOR

CA FCS 273 C



POWDER MONITOR

CA FCS 274 C



WATER MONITOR

CA FCS 275 C



FOAM FIRE HOSE AND NOZZLE

CA FCS 276 C



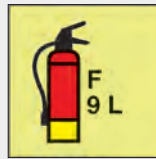
POWDER FIRE HOSE AND NOZZLE

CA FCS 277 C



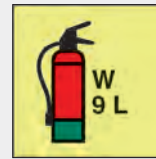
WATER FIRE HOSE AND NOZZLE

CA FCS 278 C



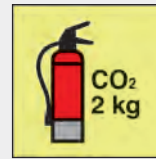
FOAM FIRE EXTINGUISHER

CA FCS 279 C



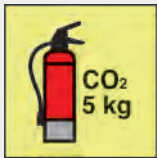
WATER FIRE EXTINGUISHER

CA FCS 280 C



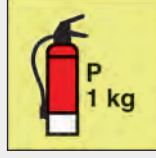
CO₂ FIRE EXTINGUISHER

CA FCS 281 C



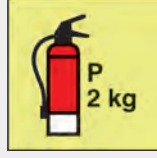
CO₂ FIRE EXTINGUISHER

CA FCS 282 C



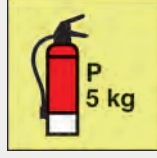
POWDER FIRE EXTINGUISHER

CA FCS 283 C



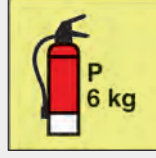
POWDER FIRE EXTINGUISHER

CA FCS 284 C



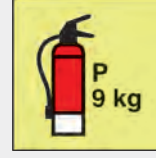
POWDER FIRE EXTINGUISHER

CA FCS 285 C



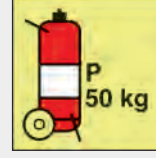
POWDER FIRE EXTINGUISHER

CA FCS 286 C



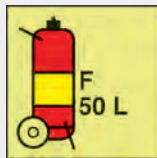
POWDER FIRE EXTINGUISHER

CA FCS 287 C



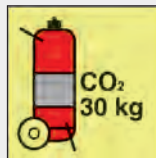
POWDER WHEELED FIRE EXTINGUISHER

CA FCS 288 C



FOAM WHEELED FIRE EXTINGUISHER

CA FCS 289 C



CO₂ WHEELED FIRE EXTINGUISHER

CA FCS 290 C



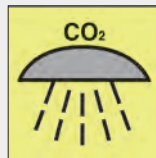
PORTABLE FOAM APPLICATOR UNIT OR RELEVANT SPARE TANKS

CA FCS 291 C



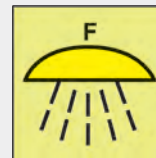
FIRE LOCKER

CA FCS 292 C



SPACE OR GROUP OF SPACES PROTECTED BY CO₂ FIRE EXTINGUISHING SYSTEM

CA FCS 293 C



SPACE OR GROUP OF SPACES PROTECTED BY FOAM FIRE EXTINGUISHING SYSTEM

CA FCS 294 C



SPACE OR GROUP OF SPACES PROTECTED BY GAS OTHER THAN CO₂ FIRE EXTINGUISHING SYSTEM

CA FCS 295 C



SPACE OR GROUP OF SPACES PROTECTED BY POWDER FIRE EXTINGUISHING SYSTEM

CA FCS 296 C



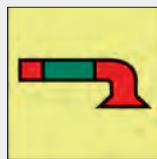
SPACE OR GROUP OF SPACES PROTECTED BY WATER FIRE EXTINGUISHING SYSTEM

CA FCS 297 C



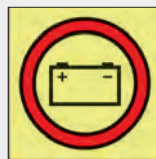
SPACE OR GROUP OF SPACES PROTECTED BY SPRINKLER OR HIGH PRESSURE WATER FIRE EXTINGUISHING SYSTEM

CA FCS 298 C



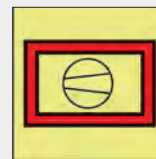
WATER FOG APPLICATOR

CA FCS 299 C



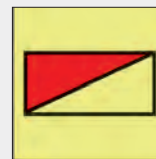
EMERGENCY SOURCE OF ELECTRICAL POWER (BATTERY)

CA FCS 300 C



AIR COMPRESSOR FOR BREATHING DEVICES

CA FCS 301 C



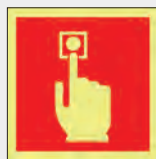
CONTROL PANEL FOR FIRE DETECTION AND ALARM SYSTEM

CA FCS 302 C



SPACE OR GROUP OF SPACES MONITORED BY FLAME DETECTOR(S)

CA FCS 303 C



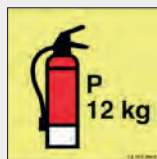
MANUALLY OPERATED CALL POINT

CA FCS 304 C



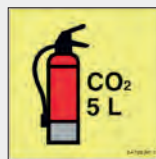
PORTABLE FOAM APPLICATOR UNIT OR RELEVANT SPARE TANKS

CA FCS 305 C



POWDER FIRE EXTINGUISHER

CA FCS 306 C



CO₂ FIRE EXTINGUISHER

CA FCS 307 C



CO₂ FIRE EXTINGUISHER

CA FCS 308 C



WATER FIRE HOSE AND NOZZLE

CA FCS 309 C



WATER FIRE HOSE AND NOZZLE

CA FCS 310 C



WATER FIRE HOSE AND NOZZLE

CA FCS 311 C



WATER FIRE HOSE AND NOZZLE

CA FCS 312 C



FIRE BLANKET

CA FCS 316



FIRE PLANS

CA FCS 320 J



FIRE PLANS WITH ARROW

CA FCS 321 J



EMERGENCY LIGHTING RED

CA FCS 505

Fire telephone location



CA 5105 C



CA 5105 E



CA 5118 D



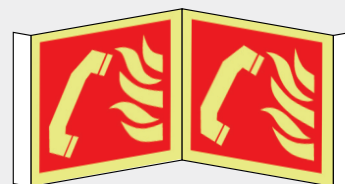
CA 6558 C



CA 6555 C



CA 6556 C



CA 5151 Y - RL
double face 15x15 cm

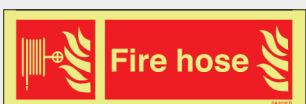
Fire hose location



CA 5103 C



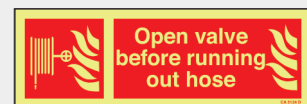
CA 5154 E



CA 5110 D



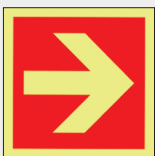
CA 5111 D



CA 5134 D



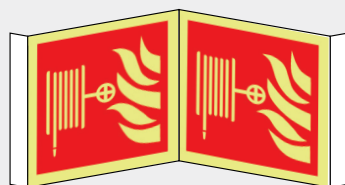
CA 6553 C



CA 6555 C



CA 6556 C



CA 5147 Y - RL
double face 15x15 cm

Fire alarm location



CA 5102 C



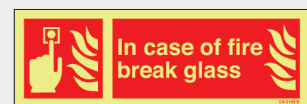
CA 5153 E



CA 5107 D



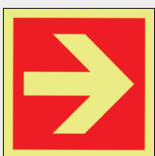
CA 5108 D



CA 5109 D



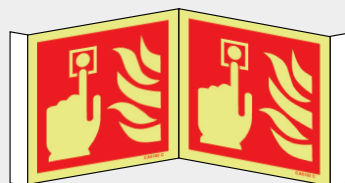
CA 6557 C



CA 6555 C



CA 6556 C



CA 5149 Y - RL
double face 15x15 cm

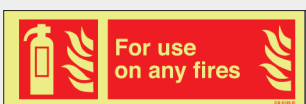
Fire extinguisher location



CA 5101 C



CA 5152 E



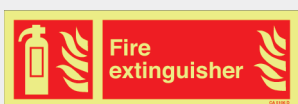
CA 5135 D



CA 5136 D



CA 5137 D



CA 5106 D



CA 6554 C



CA 6555 C



CA 6556 C



CA 5148 Y - RL
double face 15x15 cm

Fire point location



CA 5104 C



CA 5155 E



CA 5112 D



CA 5115 D



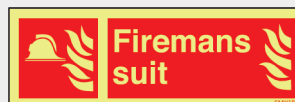
CA 5113 D



CA 5116 D



CA 5114 D



CA 5117 D



CA 5119 D



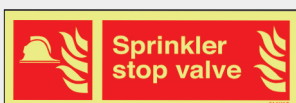
CA 5120 D



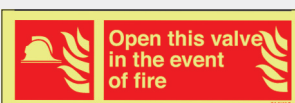
CA 5121 D



CA 5131 D



CA 5132 D



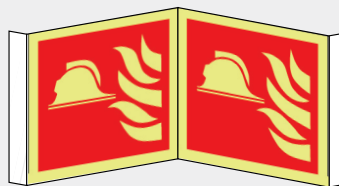
CA 5133 D



CA 6555 C



CA 6556 C



CA 5146 Y - RL
double face 15x15 cm

Location numbers



CA 6620 P



CA 6621 P



CA 6622 P



CA 6623 P



CA 6624 P



CA 6625 P



CA 6626 P



CA 6627 P



CA 6628 P



CA 6629 P



CA 6630 A



CA 6631 A



CA 6632 A



CA 6633 A



CA 6634 A



CA 6635 A



CA 6636 A



CA 6637 A



CA 6638 A



CA 6639 A

Fire extinguisher identification



CA 5122 E



CA 5123 E



CA 5124 E



CA 5127 F - AL



CA 5125 E



CA 5126 E



CA 5127 E



CA 5128 F - AL



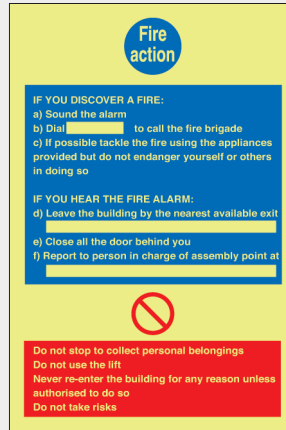
CA 5140 L - AL
size 60x20 cm



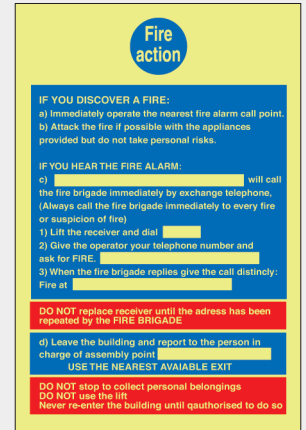
CA 5139 D - AL
size 30x10 cm



CA 5129 G - AL



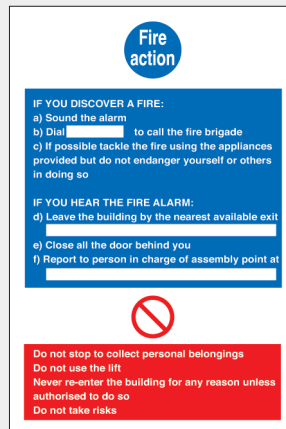
CA 5130 G - AL



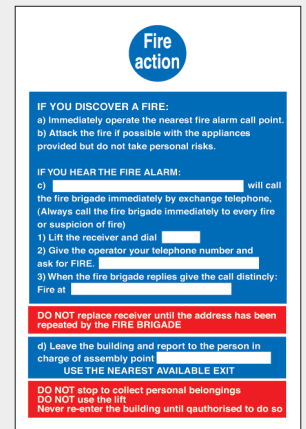
CA 5138 G - AL



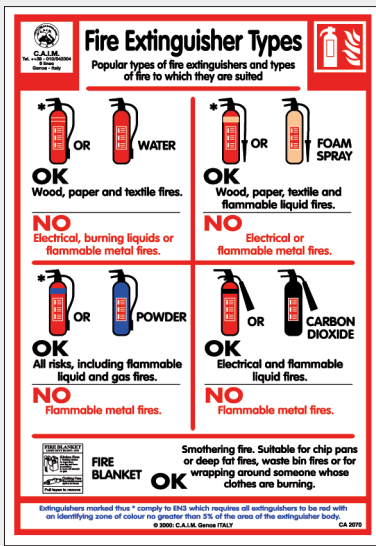
CA 5141 G - A



CA 5142 G - A



CA 5143 G - A



CA 2070
Self adhesive - size 33x24 cm



CA 148



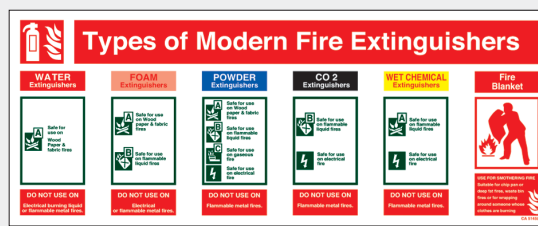
CA 147



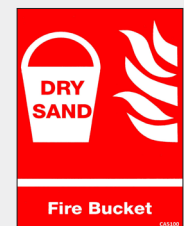
CA 149



CA 5144 Q - A



CA 5145 L - A



CA 5100



Each item of Fire Fighting equipment should be marked with the appropriate symbol. Where various types of equipment are stored in one location, "Fire Point" signs may be used.

When equipment is stored in a recess or cupboard, a panoramic sign, mounted well above head height, should be used to enable the equipment to be identified from a distance.

All lift and elevator entrances should be marked with signs warning that they are not to be used in the event of fire.

Fire Extinguisher Signs



It is a legal requirement to display an identification sign relevant to the extinguisher. The sign identifies the type of extinguisher and is to be used against a specific hazard.
> See pag. 40

Tapes



For the marking out of fire points, obstacles, hazards, and safety paths etc.
> See pag. 62



Signs



Signs are available for the various types of equipment which may be provided
> See pag. 39

Numbers



It is useful to number the fire points in a large building for maintenance control and the guidance of staff
> See pag. 40

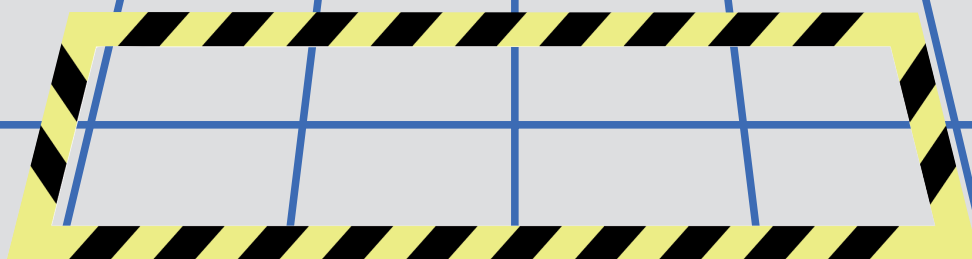
Gone Missing

Extinguishers should always be kept in their designated positions. They are definitely not "door stops".

The use of this highlights the fact that the extinguisher has gone missing.



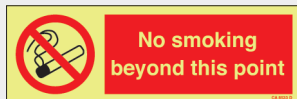
> See pag. 40



Smoking prohibited



CA 8530 D



CA 8533 D



CA 8531 D



CA 8500 A-B-C

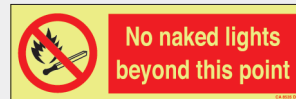


CA 8532 D

Matches, Flames & Hot work prohibited



CA 8534 D



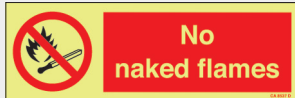
CA 8540 D



CA 8536 D



CA 8539 D

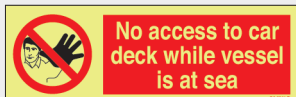


CA 8537 D



CA 8501 C

Access prohibited



CA 8541 D



CA 8572 D



CA 8542 D

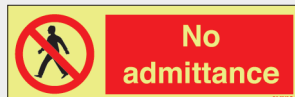


CA 8502 C



CA 8546 D

Access prohibited



CA 8549 D



CA 8557 D



CA 8545 D



CA 8503 C



CA 8544 D

Prohibited actions

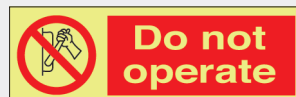


CA 8548 D



CA 8504 C

Operation prohibited



CA 8553 D



CA 8506 C

Not drinking prohibited



CA 8550 D



CA 8505 C

Eating & drinking prohibited



CA 8573 D



CA 8510 C

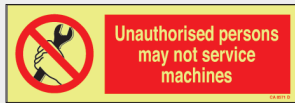
Maintenance prohibited



CA 8507 C



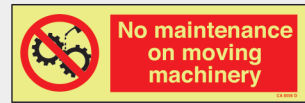
CA 8556 D



CA 8571 D

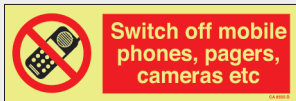


CA 8508 C



CA 8570 D

Mobile phone prohibited

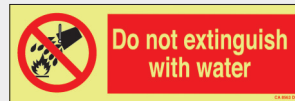


CA 8555 D



CA 8511 C

Do not extinguish with water



CA 8563 D



CA 8509 C

Generic



CA 8552 D



CA 8551 D



CA 8564 D



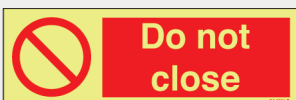
CA 8543 D



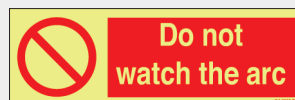
CA 8559 D



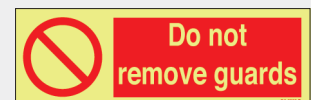
CA 8560 D



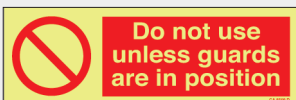
CA 8561 D



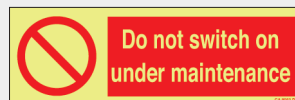
CA 8565 D



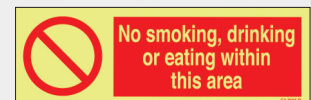
CA 8568 D



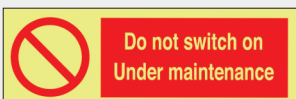
CA 8569 D



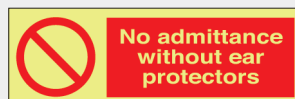
CA 8562 D



CA 8566 D



CA 8576 D



CA 8567 D

COUNTER TABLE SIGNS

Our desktop signs are manufactured of 1 mm Rigid PVC, heat-bent to create the "tent" shape. Printed on both sides



CA 400
size 9x9 cm

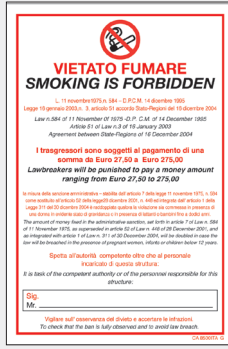


CA 401
size 15x5 cm

Smoking



CA 301 Z R



CA 8500ITA G



CA 420 C A



CA 402 C A



CA 350 D A



CA 394 D A



CA 403 D A



CA 404 D A

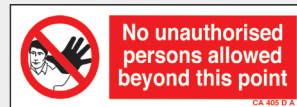
Entry



CA 310 Z R



CA 410 C A



CA 405 D A



CA 407 D A



CA 406 D A



CA 408 D A

Access



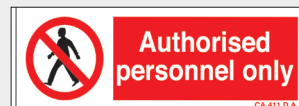
CA 311 Z R



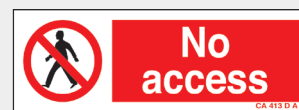
CA 77 M R



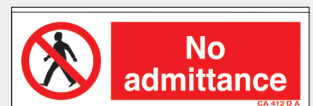
CA 415 C A



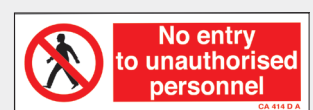
CA 411 D A



CA 413 D A

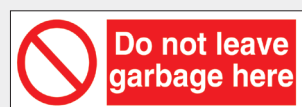


CA 412 D A



CA 414 D A

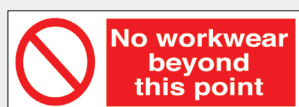
Generic



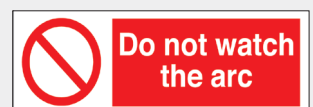
CA 416 D A



CA 417 D A



CA 418 D A

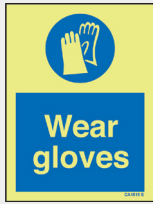


CA 419 D A

Gloves



CA 4801 C



CA 4816 E

Boots



CA 4802 C

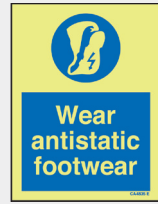


CA 4815 E

Antistatic footwear



CA 4812 C

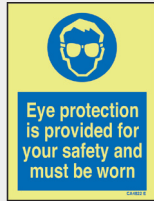


CA 4835 E

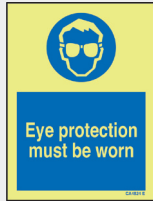
Eye protection



CA 4803 C



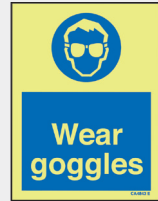
CA 4822 E



CA 4823 E



CA 4824 E

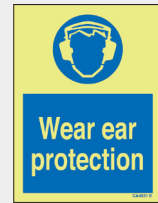


CA 4843 E

Ear protection



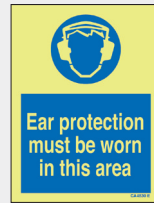
CA 4804 C



CA 4831 E



CA 4832 E

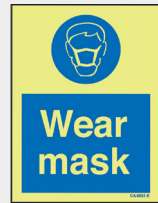


CA 4830 E

Mask



CA 4807 C

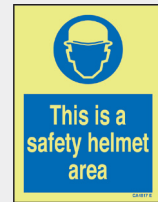


CA 4834 E

Helmet



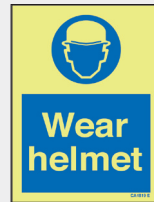
CA 4806 C



CA 4817 E



CA 4818 E



CA 4819 E

Switches



CA 4810 C

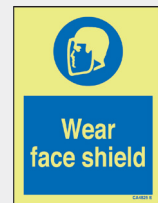


CA 4829 E

Face shield



CA 4808 C



CA 4825 E



CA 4826 E

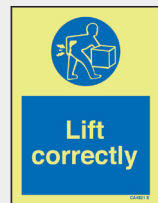


CA 4839 E

Lifting



CA 4813 C



CA 4821 E

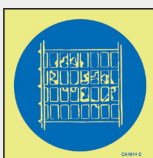
Guards



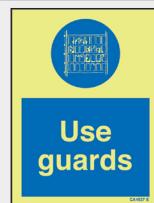
CA 4809 C



CA 4820 E



CA 4814 E

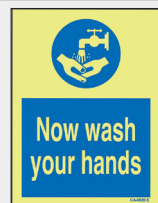


CA 4827 E

Hand washing facility



CA 4811 C



CA 4828 E

High visibility clothing

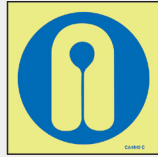


CA 4841 C



CA 4837 E

Lifejackets



CA 4840 C

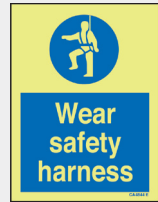


CA 4836 E

Wear safety harness



CA 4846 C



CA 4844 E

Wear protective clothing



CA 4839 C

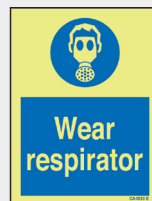


CA 4842 E

Respirator



CA 4805 C



CA 4833 E

Welding



CA 4845 C



CA 4846 E

Security

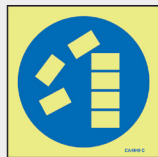


CA 4847 C

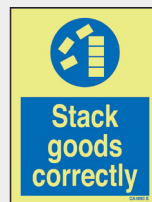


CA 4848 E

Goods stacking



CA 4849 C



CA 4850 E

Personal safety notice



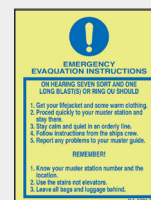
CA 4815 C



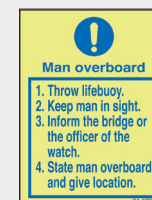
CA 4729 E



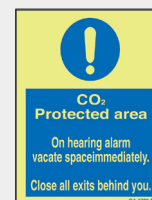
CA 4730 E



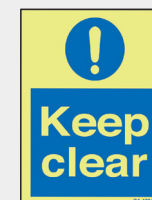
CA 4731 E



CA 4732 E



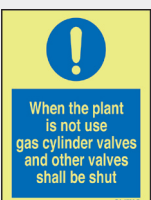
CA 4733 E



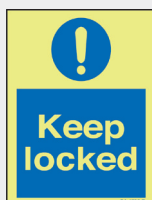
CA 4734 E



CA 4735 E



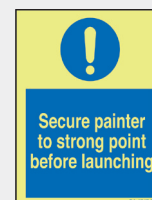
CA 4736 E



CA 4741 E



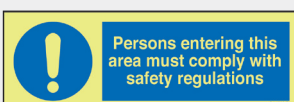
CA 4746 E



CA 4747 E



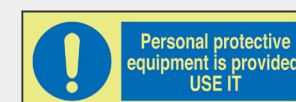
CA 4745 D



CA 4722 D



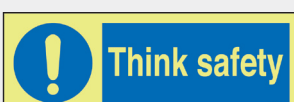
CA 4723 D



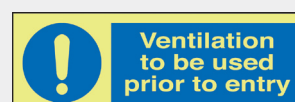
CA 4724 D



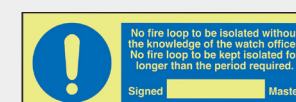
CA 4725 D



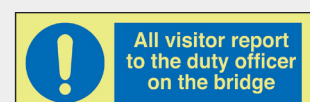
CA 4726 D



CA 4738 D



CA 4742 D



CA 4743 D

Personal safety notice



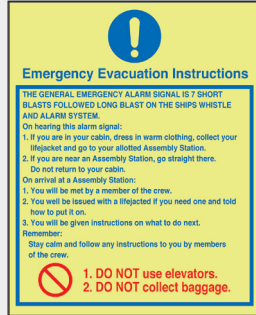
CA 4727 S



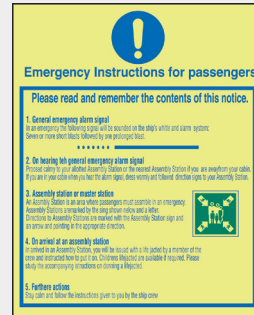
CA 4728 S



CA 4737 S



CA 4739 M



CA 4740 M

Security notice – Keep closed – Keep clear & Keep shut



CA 4701 C



CA 4702 C



CA 4703 C



CA 4704 C



CA 4705 C



CA 4706 C



CA 4707 C



CA 4708 C



CA 4709 C



CA 4710 C



CA 4711 C



CA 4712 C



CA 4713 C



CA 4714 C



CA 4715 C



CA 4716 C



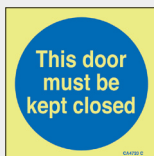
CA 4717 C



CA 4718 C



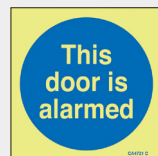
CA 4719 C



CA 4720 C



CA 4721 C



CA 4722 C

General warning



CA 4901 C



CA 4910 E



CA 4921 E



CA 4941 E



CA 4942 E



CA 4943 E



CA 4944 E



CA 4945 E



CA 4946 E



CA 4958 E



CA 4959 E



CA 4960 E



CA 4961 E



CA 4978 E



CA 4979 E



CA 4980 E



CA 4981 E



CA 4982 E



CA 4983 E



CA 4984 E



CA 4985 E



CA 4986 E



CA 4987 E



CA 4988 E



CA 4989 E



CA 4990 E



CA 4991 D

Trip hazard



CA 4903 C



CA 4952 E



CA 4953 E



CA 4923 E

Slippery surface



CA 4906 C



CA 4922 E



CA 4993 E

Electricity risk



CA 4902 C



CA 4911 E



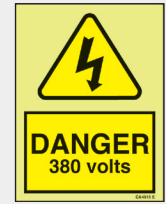
CA 4912 E



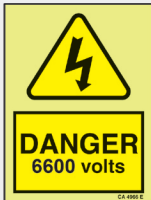
CA 4913 E



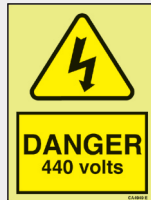
CA 4914 E



CA 4915 E



CA 4948 E



CA 4949 E



CA 4950 E



CA 4962 E



CA 4963 E



CA 4964 E



CA 4965 E



CA 4966 E



CA 4992 E

Explosive risk



CA 4907 C



CA 4924 E



CA 4940 E



CA 4954 E



CA 4955 E



CA 4956 E



CA 4957 E

Acid surface



CA 4908 C



CA 4925 E



CA 4926 E



CA 4927 E



CA 4930 E

Toxic risk



CA 4909 C



CA 4931 E



CA 4932 E



CA 4968 E



CA 4969 E

Flammable risk



CA 4904 C



CA 4916 E



CA 4917 E



CA 4918 E



CA 4928 E



CA 4929 E



CA 4967 E



CA 4994 E

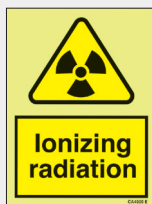
Radioactive risk



CA 4905 C



CA 4919 E



CA 4920 E

Biological risk



CA 4972 C



CA 4973 E



CA 4974 E

Mind your head



CA 4971 C



CA 4975 E

Fork lift risk



CA 4933 C



CA 4970 E

Death risk



CA 4976 C

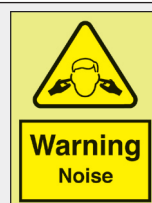


CA 4977 E

Noise risk



CA 4995 C



CA 4996 E

Radiation risk



CA 4997 C



CA 4998 E

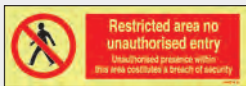
Overhead risk



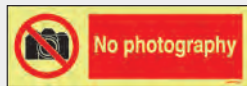
CA 4999 C



CA 49001 E



CA 6816 D AL



CA 6819 D AL



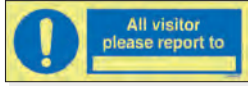
CA 6820 D AL



CA 6813 D AL



CA 6835 D AL



CA 6814 D AL



CA 6815 D AL



CA 6833 D AL



CA 6834 D AL



CA 6809 D A



CA 6810 D A



CA 6811 D A



CA 6821 D A



CA 6822 D A



CA 6823 D A



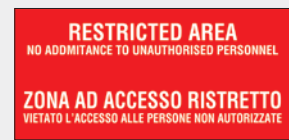
CA 6832 D A



CA 6830 Y A



CA 6831 Y A



CA 6838 Y A



CA 6841



CA 6842



CA 6843



CA 6812 Q A



CA 6808 G A



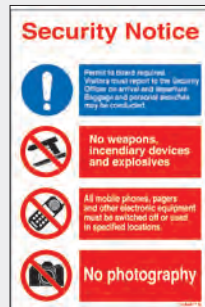
CA 6840 G A



CA 6805 Y R



CA 6818 Q A



CA 6817 G A



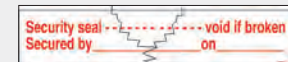
CA 8540 C



CA 399
Sold in sheet of 10



CA 380
Sold in sheet of 10



CA 6800 A - size 15x3 cm.
> Sold in sheet of 10
> Security seal manufactured a special plastic that tears when of attempting to peel it off.
> Ideal for security bonds.

Identification Badges



CA 6836

CA 6837



CA 6806 Q R



CA 6807 C R



CA 6839 C R



CA 6801

CA 6802

CA 6803

CA 6804



IA116.E

These signs can be placed beside the lock on a door to indicate the correct status at specific security levels. - solds only in sheet of 10.
size 10x5 cm



CA 302 Z R



CA 303 Z R



CA 304 Z R



CA 305 Z R



CA 306 Z R



CA 307 Z R



CA 308 Z R



CA 309 Z R

Passenger Vessels



CA 1301 A



CA 1302 A



CA 1303 A



CA 1304 A



CA 1305 A



CA 1306 A



CA 1307 A



CA 1308 A



CA 1309 A



CA 1310 A



CA 1311 A



CA 1312 A



CA 1313 A



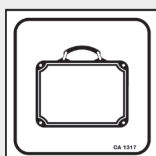
CA 1314 A



CA 1315 A



CA 1316 A



CA 1317 A



CA 1318 A



CA 1319 A



CA 1320 A



CA 1321 A

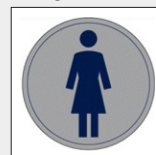
Size Ø 13 cm - Plexiglass 3mm. laminated silver



CA 1322 - size 12 x 8,5 cm.



CA 1331



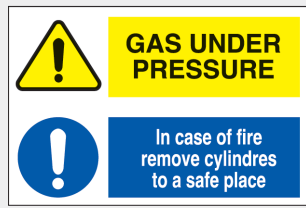
CA 1332



CA 1333



CA 315 G A



CA 316 G A



CA 317 G A



CA 318 G A



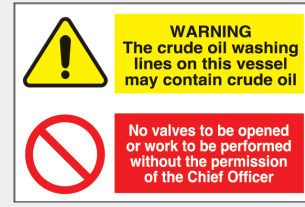
CA 319 G A



CA 321 G A



CA 320 G A



CA 322 G A



CA 323 G A



CA 324 G A



CA 325 G A



CA 326 G A



CA 330 G A



CA 331 G A



CA 345 G A



CA 346 G A



CA 328 Rigid plastic - size 60x99 cm



CA 329 Self adhesive - size 40x30 cm



CA 327



CA 74 V Rigid plastic



CA 741 V Rigid plastic

Refrigerated Space

Caution
Low temperature and slip hazard

No smoking

Wear hair net at all times

CA 332 Q A

Battery Locker

Danger
Battery acid

No entry to unauthorised personnel
No smoking or naked lights

Minimum safety requirements:
Overalls
Face shield
Safety gloves

CA 333 Q A

Machinery Space

Caution
Space protected by gas flood system
If alarm sounds vacate immediately
Machinery may start and stop without warning

No entry to unauthorised personnel
No smoking or naked lights except in designated areas

Minimum safety requirements:
Overalls
Head protection
Ear defenders
Safety boots
Other requirements apply in certain areas

CA 334 Q A

Gas Bottle Store

Danger
Compressed gases

No entry to unauthorised personnel
No smoking or naked lights

Keep well ventilated

CA 335 Q A

Paint Store

Danger
Flammable Liquid

No entry to unauthorised personnel
No smoking or naked lights

Keep well ventilated

CA 336 Q A

Emergency Generator

Danger
High voltage
Machinery may start without warning

No entry to unauthorised personnel
No smoking or naked lights

Minimum safety requirements:
Overalls
Safety gloves
Ear defenders
Safety Boots

CA 337 Q A

Galley

No smoking

Wash hands before preparing food

Minimum safety requirements:
Hair net
Safety gloves

CA 338 Q A

Forecastle Space

Caution
Space protected by gas flood system
If alarm sounds vacate immediately
Machinery may start and stop without warning

No entry to unauthorised personnel
No smoking or naked lights

Minimum safety requirements:
Overalls
Head protection
Ear defenders
Safety boots

CA 339 Q A

Steering Gear

Danger
Moving machinery

No entry to unauthorised personnel
No smoking or naked lights

Minimum safety requirements:
Overalls
Head protection
Ear defenders
Safety boots

CA 340 Q A

Switch Gear

Danger
High voltage

No entry to unauthorised personnel
No smoking or naked lights

Minimum safety requirements:
Overalls
Head protection
Ear defenders
Safety boots

CA 341 Q A

Pump Room

Caution
Confined space with moving machinery

No entry to unauthorised personnel
No smoking or naked lights

Minimum safety requirements:
Overalls
Head protection
Ear defenders
Safety boots

CA 342 Q A

Fridge Machinery

Danger
Toxic fumes
Machinery may start without warning

No entry to unauthorised personnel
No smoking or naked lights

Keep well ventilated

CA 344 Q A

Deposito Rifiuti Speciali PERICOLOSI
Storage DANGEROUS Special Waste

IN QUESTO LOCALE - IN THIS ROOM

VIETATO FUMARE O USARE FIAMME LIBERE
NO SMOKING
NO NAKED LIGHTS

DIVIETO DI ACCESSO ALLE PERSONE NON AUTORIZZATE
NO ENTRY TO UNAUTHORISED PERSONNEL

MATERIALE INFAMMABILE
FLAMMABLE MATERIAL

SOSTANZE VELENOSE
HARMFUL CHEMICALS

SOSTANZE NOCIVE O IRRITANTI
CORROSIVE SUBSTANCE

PROTEZIONE OBBLIGATORIA DEGLI OCCHI
EYE PROTECTION MUST BE WORN

PROTEZIONE OBBLIGATORIA DELLE VIE RESPIRATORIE
WEAR RESPIRATOR

PROTEZIONE OBBLIGATORIA DEL CORPO
WEAR PROTECTIVE CLOTHING

GUANTI DI PROTEZIONE OBBLIGATORI
WEAR GLOVES

CALZATURE DI SICUREZZA OBBLIGATORIE
BOOTS MUST BE WORN

CA 2076
Rigid plastic - size 48x33 cm

NEL LOCALE IN CUI STATE ENTRANDO
IN THE AREA YOU ARE ABOUT TO ENTER

ATTENZIONE AI VEICOLI IN MOVIMENTO
WATCH OUT FOR MOVING VEHICLES

E' VIETATO USARE FIAMME LIBERE
NO NAKED FLAMES

E' VIETATO FUMARE
NO SMOKING

CA 75 G
Rigid plastic

IN THIS ROOM
IN QUESTO LOCALE

DANGEROUS ACIDS
ACIDI PERICOLOSI

WEAR GLOVES
INDOSSARE GUANTI ANTINFORTUNISTICI

ESPLOSION DANGER
PERICOLO DI ESPLOSIONI

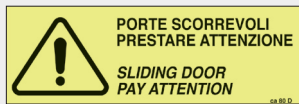
NO NAKED LIGHT
VIETATO L'USO DI FIAMME LIBERE

NO SMOKING
VIETATO FUMARE

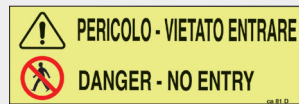
CA 76 V
Rigid plastic

ZONA RISERVATA ALL'EQUIPAGGIO
VIETATO L'INGRESSO ALLE PERSONE NON AUTORIZZATE
CREW ONLY
NO ENTRY TO UNAUTHORIZED PERSONS

CA 78 G
Rigid plastic



CA 80 D AL



CA 81 D AL



CA 82 D AL



CA 83 D R



CA 84 D R



CA 88 D R



CA 89 D R



CA 90 D R



CA 99 D AL



CA 107 D R



CA 108 D R



CA 109 D R



CA 111 D R



CA 112 D R



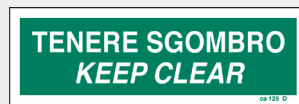
CA 115 D R



CA 121 D R



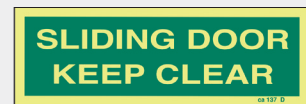
CA 122 D R



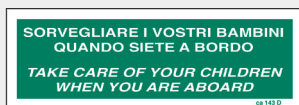
CA 125 D R



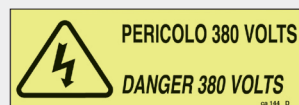
CA 127 D AL



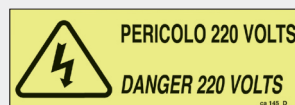
CA 137 D AL



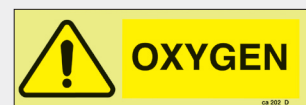
CA 143 D R



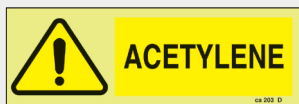
CA 144 D AL



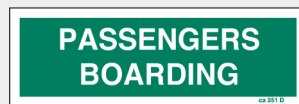
CA 145 D AL



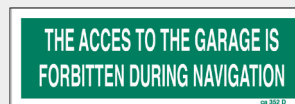
CA 202 D AL



CA 203 D AL



CA 351 D R



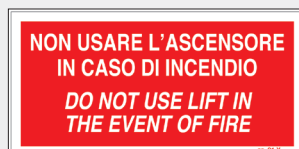
CA 352 D R



CA 365 D R



CA 85 Y R



CA 91 Y A



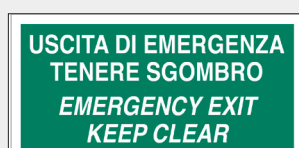
CA 94 Y A



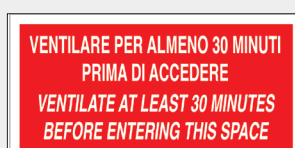
CA 95 Y A



CA 96 Y A



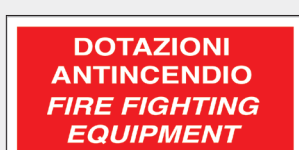
CA 102 Y A



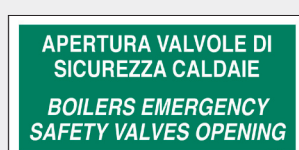
CA 106 Y A



CA 110 Y R



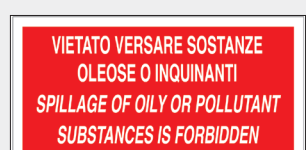
CA 113 Y R



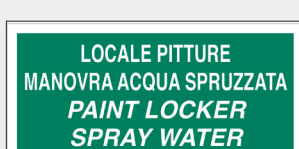
CA 114 Y A



CA 116 Y A



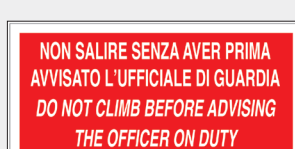
CA 117 Y R



CA 118 Y R



CA 119 Y R



CA 120 Y A



CA 126 Y A



CA 128 Y A



CA 139 Y AL



CA 140 Y R



CA 205 Y AL



CA 207 Y R



CA 208 Y R



CA 209 Y A



CA 210 Y R



CA 211 Y R



CA 212 Y A



CA 213 Y A



CA 353 Y A



CA 354 Y A



CA 355 Y A



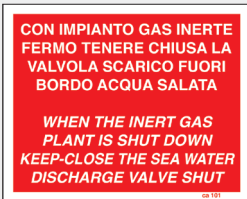
CA 356 Y AL



CA 357 Y AL



CA 87 F R



CA 101 M R



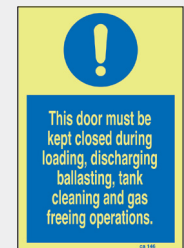
CA 105 M R



CA 123 M AL



CA 97 M AL



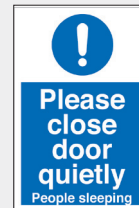
CA 146 G AL



CA 358 E A



CA 359 E A



CA 360 E A



CA 361 E A



CA 98 M AL



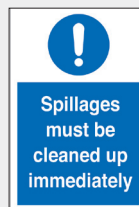
CA 86 F A



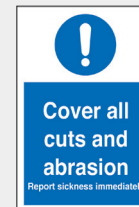
CA 138 F A



CA 362 E A



CA 363 E A



CA 364 E A



CA 368



CA 40 V R



CA 41 V R



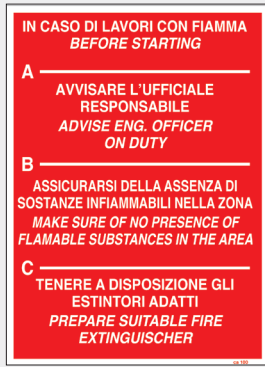
CA 3069 E A



CA 3070 E A



CA 3071 E A



CA 100 V R



CA 61 D A



CA 69 D A



CA 60 Y A



CA 63 Y A



CA 51 D A



CA 54 D A



CA 57 D A



CA 66 D A



CA 72 D A



CA 62 Y A



CA 70 Y A



CA 52 D A



CA 55 D A



CA 58 D A



CA 67 D A



CA 68 D A



CA 73 Y R



CA 71 Y A



CA 53 D A



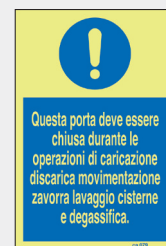
CA 56 D A



CA 59 D A



CA 64 J R



CA 79 G AL

Garbage Signs



CA 501 A size 20 x 8,5 cm



CA 502 A size 20 x 8,5 cm



CA 503 A size 20 x 8,5 cm



CA 504 A size 20 x 8,5 cm



CA 505 A size 20 x 8,5 cm



CA 506 A size 20 x 8,5 cm



CA 512 A size 20 x 8,5 cm



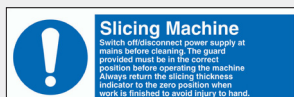
CA 513 A size 20 x 8,5 cm



CA 514 A size 20 x 8,5 cm



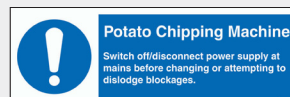
CA 515 A size 20 x 8,5 cm



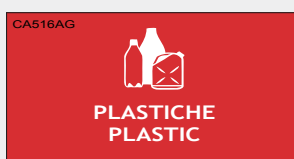
CA 508 X size 30 x 10 cm



CA 507 D AL



CA 509 X size 30 x 10 cm



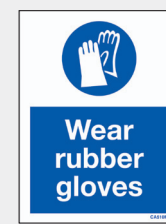
CA 516 AG size 30 x 20 cm



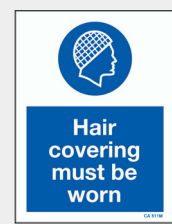
CA 517 AG size 30 x 20 cm



CA 518 AG size 30 x 20 cm



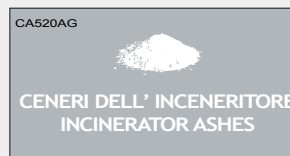
CA 510 M



CA 511 M



CA 519 AG size 30 x 20 cm



CA 520 AG size 30 x 20 cm



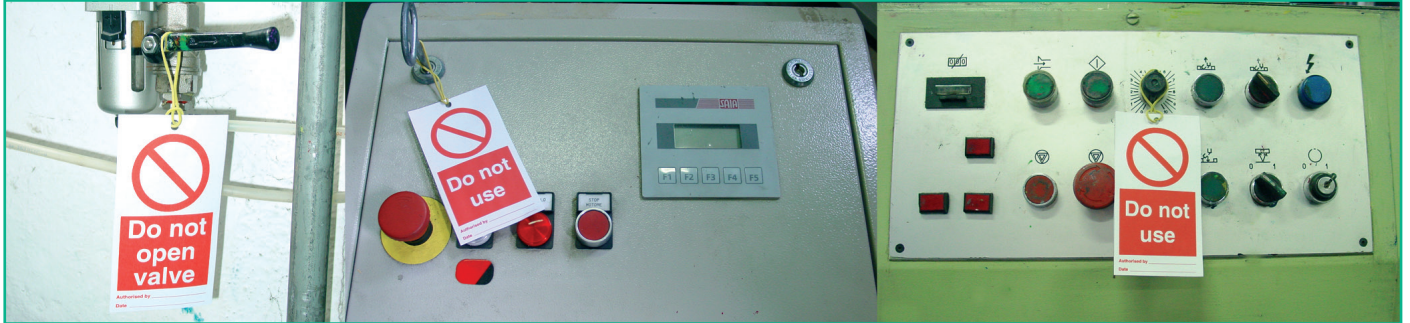
CA 521 AG size 30 x 20 cm



CA 522 AG size 30 x 20 cm

INSTALLATION:

Tie tags are required wherever a need occurs to temporarily mark items and areas for safety reasons, usually during maintenance and in connection with the permit to work system. These tags are printed on a semi-rigid PVC with a matt finish to allow an authorisation signature and the date to be added in pen. The tags are supplied in packs of ten.



Size 75 x 140 mm – Sold only in packs of 10



CA 370



CA 371



CA 372



CA 373



CA 374



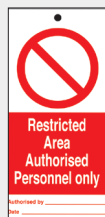
CA 375



CA 376



CA 377



CA 378



CA 379



CA 380



CA 381



CA 382



CA 383



CA 384



CA 385



CA 386



CA 387



CA 388



CA 389



CA 390



CA 391



CA 392



CA 393



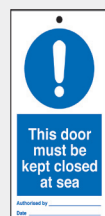
CA 394



CA 395



CA 396



CA 397



CA 398

CA 1104 - 5 U

* The appropriate division number and compatibility group are to be placed in this location, e.g. 1.1D.

** The appropriate compatibility group is to be placed in this location, e.g. G.

CA 1106 U

Explosive subsidiary risk label for self-reactive substances in class 4.1 and organic peroxides (class 5.2) with explosive properties (for requirements see IMDG Code)



CA 1103 U
Class 1



CA 1127 U
Class 1



CA 1128 U
Class 1



CA 1129 U
Class 1



CA 1130 U
Class 1



CA 1131 U
Class 1



CA 1132 U
Class 1



CA 1133 U
Class 1



CA 1134 U
Class 1



CA 1135 U
Class 1



CA 1136 U
Class 1



CA 1137 U
Class 1



CA 1138 U
Class 1



CA 1105 U
Class 1



CA 1107 U
Class 2.1



CA 1108 U
Class 2.2



CA 1159 U
Class 2.2



CA 1109 U
Class 2.3



CA 1110 U
Class 3



CA 1156 U
Class 3



CA 1111 U
Class 4.1



CA 1112 U
Class 4.2



CA 1113 U
Class 4.3



CA 1166 U
Class 4.3



CA 1114 U
Class 5.1



CA 1115 U
Class 5.2



CA 1157 U
Class 5.2



CA 1158 U
Class 5.2



CA 1116 U
Class 6.1



CA 1118 U
Class 6.2



CA 1119 U
Class 7



CA 1120 U
Class 7



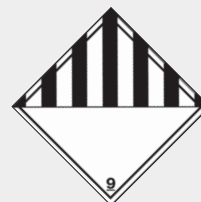
CA 1121 U
Class 7



CA 1125 U
Class 7



CA 1122 U
Class 8



CA 1123 U
Class 9

CA 1139 U Class 2.1	CA 1140 U Class 3	CA 1141 U Class 2.2	CA 1155 U Class 2.3	CA 1142 U Class 4.1	CA 1143 U Class 4.2
CA 1144 U Class 4.3	CA 1145 U Class 5.1	CA 1146 U Class 5.2	CA 1147 U Class 6.1	CA 1149 U Class 7	CA 1151 U Class 8
CA 1160 U Limited quantities Marks	CA 1161 U Limited quantities Marks	CA 1124 U size 30 x 12 cm			
	or		<p>EXCEPTED QUANTITIES MARK</p> <p>* The class or, when assigned, the division number(s), shall be shown in this location</p> <p>** The name of the consignor or of the consignee shall be shown in this location if not shown elsewhere on the package.</p>		
CA 1162 U Excepted quantities Marks	CA 1164 U Excepted quantities Marks				
	<p>MARINE POLLUTANT mark for harmful (environmentally hazardous) substances. The mark should be in a contrasting colour to the packaging or, when used as a sticker, coloured black and white.</p> <p>For packages the triangular mark should have sides of at least 100 mm except in the case of packages which, because of their size, can only bear smaller marks. For cargo transport units this dimension should be not less than 250 mm. (Annex III of MARPOL 73/78, as amended).</p>				
CA 1102 U Marine pollutant					
			CA 1126 U Elevated temperature	CA 1153 M Orientation mark	CA 1154 M Orientation mark

SOLAS CONVENTION

Packages containing dangerous goods should be durably marked with the correct technical name and be provided with distinctive labels, stencils of the labels. The method of marking the correct technical name and of affixing labels, applying stencils of labels, or affixing placards on packages should be such that this information will still be identifiable on packages surviving at least three months' immersion in the sea. (1974 SOLAS Convention, as amended, regulation 4 of chapter VII).

Hazard Diamonds For the Carriage of dangerous Goods

An ISM Code Safety Poster

© 2010: C.A.I.M. Genova ITALY CA 1101

POSTER - Hazard Diamonds
CA 1101
Size 48 x 33 cm - self adhesive vinyl

Hazchem Sign Guide

Transportation

Emergency Action Code Interpretation

© 2005 C.A.I.M. Genova ITALY CA 1102

POSTER - Hazchem Sign Guide
CA 1164
Size 20 x 30 cm - self adhesive vinyl

Hazardous Substance Symbols

© 2005 C.A.I.M. Genova ITALY CA 1103

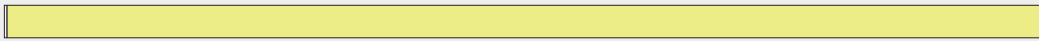
POSTER - Hazardous Substance Symbols
CA 1165
Size 20 x 30 cm - self adhesive vinyl

Vinyl tape

Emergency equipment marking // Stair identification
Photoluminescent self adhesive



CA 200180
80 mm wide x 10 mt (roll)



CA 200240
40 mm wide x 10 mt (roll)

Green Diagonal tape

Making safe area // Exit door highlighting // Escape identification
Photoluminescent self adhesive



CA 200380
80 mm wide x 10 mt (roll)



CA 200440
40 mm wide x 10 mt (roll)

Red Diagonal tape

Highlighting fire fighting equipment // Hazard marking
Photoluminescent self adhesive



CA 200580
80 mm wide x 10 mt (roll)



CA 200640
40 mm wide x 10 mt (roll)

Black Diagonal tape

Danger zone marking // Obstacle marking
Photoluminescent self adhesive



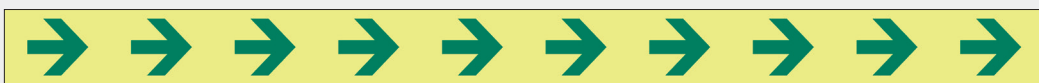
CA 200780
80 mm wide x 10 mt (roll)



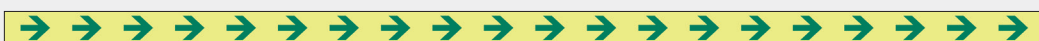
CA 200840
40 mm wide x 10 mt (roll)

Arrow tape

Directional route marking // Skirting and handrail level identification // Wayfinding identification
Photoluminescent self adhesive



CA 200980
80 mm wide x 10 mt (roll)



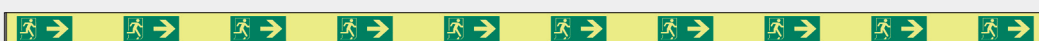
CA 201040
40 mm wide x 10 mt (roll)

Way Finding tape

Low location lighting // Directional route marking
Photoluminescent self adhesive



CA 201180
80 mm wide x 10 mt (roll)



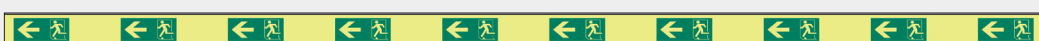
CA 201240
40 mm wide x 10 mt (roll)

Way Finding tape

Low location lighting // Directional route marking
Photoluminescent self adhesive



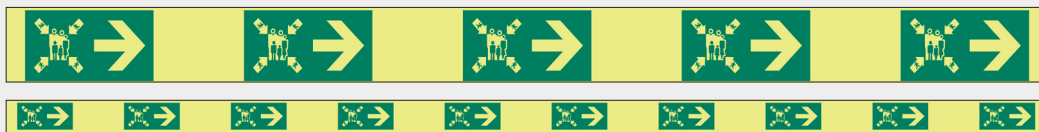
CA 201380
80 mm wide x 10 mt (roll)



CA 201440
40 mm wide x 10 mt (roll)

Muster Station tape

Directional muster station marking
Photoluminescent self adhesive



CA 202080
80 mm wide x 10 mt (roll)

CA 202140
40 mm wide x 10 mt (roll)

Muster Station tape

Directional muster station marking
Photoluminescent self adhesive

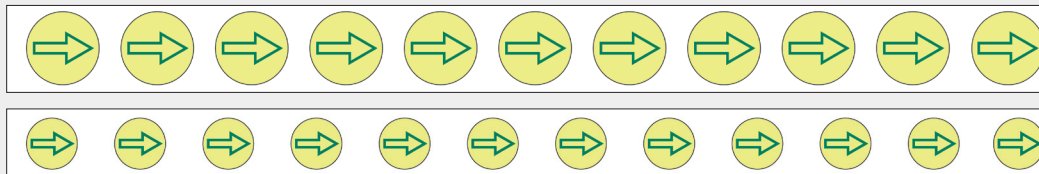


CA 202280
80 mm wide x 10 mt (roll)

CA 202340
40 mm wide x 10 mt (roll)

Trail Marker Arrow dots

Directional deck marking of escape routes
Photoluminescent self adhesive // Sold in sheets of 10

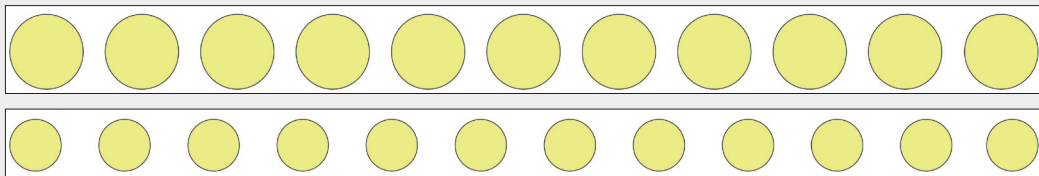


CA 202480
Ø 80 mm

CA 201860
Ø 60 mm

Trail Marker dots

Directional deck marking of escape routes
Photoluminescent self adhesive // Sold in sheets of 10

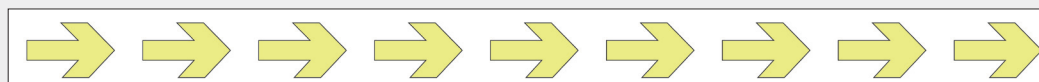


CA 202580
Ø 80 mm

CA 201960
Ø 60 mm

Arrow tape

Directional indicator
Photoluminescent self adhesive // Sold in sheets of 10

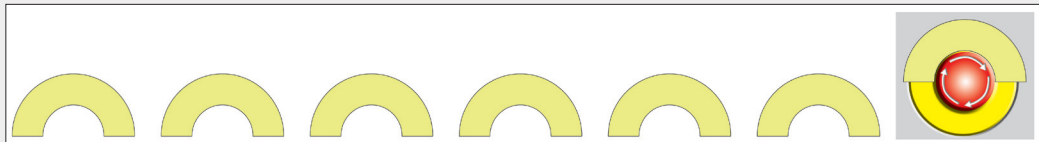


CA 202680
80 mm wide x 10 mt (roll)

Switch Delineation

When the lights fail switches need to be delineated, particularly 3 phase equipment which may still be working. This switch delineator is manufactured in self adhesive vinyl.

Photoluminescent self adhesive // Sold in sheets of 10

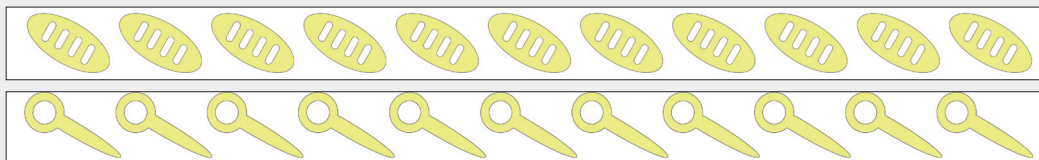


CA 202780
Ø 100 mm (Ø 40 mm hole)

Tactile Direction symbols

The additions of self-adhesive Telescape tactile symbols to guide the sighted and unsighted person to safety. These are placed in a consistent position on the safety rail photoluminescent strip or a hand rail as appropriate.

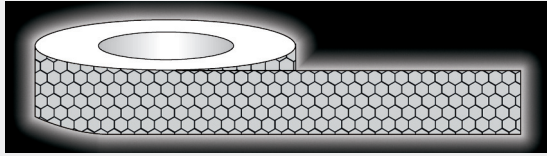
Photoluminescent self adhesive // Sold in sheets of 10



CA 202880
Start Direction

CA 202980
Stairs up and down

Solas Reflective tape

**Emergency equipment marking**

Reflective self adhesive
MED APPROVED

CA 201750
50 mm x 45 mt (roll)

Reflective Yellow & Black diagonal tape



Reflective self adhesive

CA 203050
50 mm x 22,5 mt (roll)

CA 203010
100 mm x 45 mt (roll)

Reflective Red & White diagonal tape



Reflective self adhesive

CA 203150
50 mm x 22,5 mt (roll)

CA 203110
100 mm x 45 mt (roll)

Reflective white



Reflective self adhesive

CA 203250
50 mm x 22,5 mt (roll)

CA 203210
100 mm x 45 mt (roll)

Reflective red

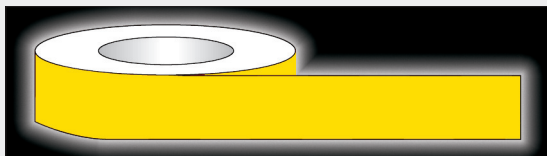


Reflective self adhesive

CA 203350
50 mm x 22,5 mt (roll)

CA 203310
100 mm x 45 mt (roll)

Reflective yellow



Reflective self adhesive

CA 203450
50 mm x 22,5 mt (roll)

CA 203410
100 mm x 45 mt (roll)

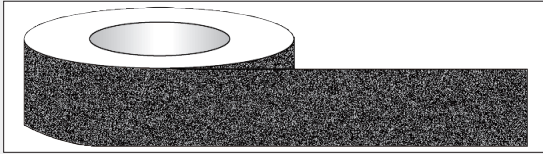
Reflective Caution



Reflective self adhesive

CA 203515

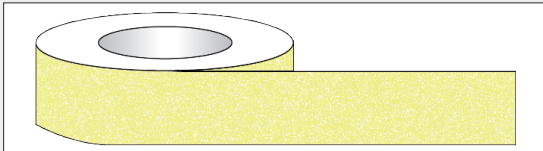
Anti-Slip tape



Nose of stair, Escape routes on deck // Walkways on deck, Galleys, Engine room ladder.
Anti-slip self adhesive

CA 201950
50 mm x 18 mt (roll)
CA 203510
100 mm x 18 mt (roll)

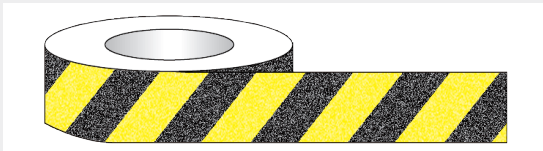
Anti-Slip photoluminescent tape



Anti-slip self adhesive

CA 203625
25 mm x 18 mt (roll)
CA 203650
50 mm x 18 mt (roll)

Anti-Slip diagonal tape



Anti-slip self adhesive

CA 203750
50 mm x 18 mt (roll)

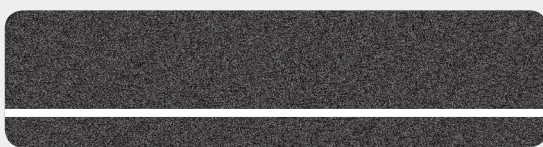
Kit composed by 6 Anti-slip pad



Anti-slip self adhesive
Sold in sheet of 6.

CA 203800
600 x 20 mm each

Photoluminescent Anti-Slip pad



Anti-slip self adhesive

CA 203900
600 x 150 mm

Anti-Slip dots



Anti-slip self adhesive
Sold in sheet of 10.

CA 204080
Ø 80 mm

Slogan Anti-Slip treads

These specially designed anti-slip tape treads are perfect for those areas that require a constant safety reminder. Extremely durable and visible, these treads are a must in high-traffic location, particularly those that are frequented by customers.



CA 204215
50 X 15 cm



CA 204315
50 X 15 cm



CA 204415
50 X 15 cm

Red & White barrier tape**No entry marking**

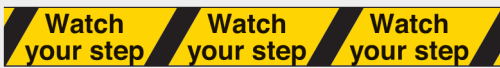
Self adhesive, Sold in sheets of 10


CA 201550
50 mm x 10 mt (roll)
Black & Yellow barrier tape**Hazardous area marking**

Self adhesive, Sold in sheets of 10


CA 201650
50 mm x 10 mt (roll)
Watch Your Step tape

Self adhesive


CA 104505
50 mm x 10 m

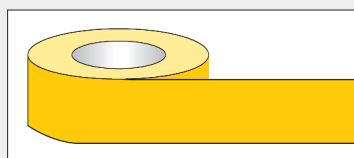
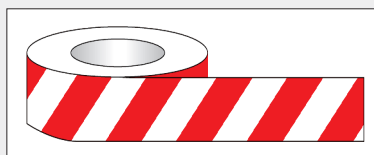
CA 204510
100 mm x 10 m
Slippery Zone tape

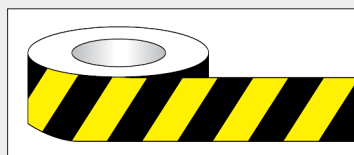
Self adhesive

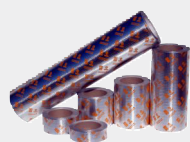
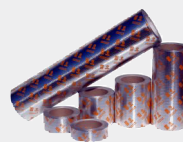

CA 104605
50 mm x 10 m

CA 204610
100 mm x 10 m
Security Check tape

Self adhesive

CAST6880
50 mm x 50 mt (roll)
Strong biadhesive tape
For fixing signs to all surfaces
Self biadhesive
CA 101010
25 mm x 50 mt (roll)
CA 202020
50 mm x 50 mt (roll)
Red & White barrier tape
Use for marking areas where access is temporarily restricted
NON adhesive polyethylene

CA 201550.75
75 mm x 500 mt (roll)
Black & Yellow barrier tape
Use for marking areas where area is Hazardous
NON adhesive polyethylene

CA 201650.75
75 mm x 500 mt (roll)
Anti-Spray tape**Anti-leakage pipe protective tape**Fire retardant self adhesive, aluminium & fiberglass layers
MED APPROVED
ST 6881
50 mm x 10 mt (roll)
Anti-Spray tape**Anti-leakage pipe protective tape**Fire retardant self adhesive, aluminium & fiberglass layers
MED APPROVED
ST 6882
100 mm x 10 mt (roll)

* other dimensions available

Hatch Cover tape**Anti-leakage carriage area protective tape**

Self adhesive bituminous tape

ST 6885
100 mm x 20 mt (roll)
Hatch Cover tape**Anti-leakage carriage area protective tape**

Self adhesive bituminous tape

ST 6886
150 mm x 20 mt (roll)
Pipe Repair Kit**Kit for repairing leaking pipes**
ST 6895
50 mm x 1,5 mt
Pipe Repair Kit**Kit for repairing leaking pipes**
ST 6896
75 mm x 2,7 mt
* other dimensions available

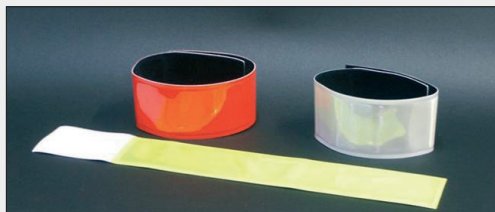
Warning Stand



This light stand is made out of polypropylene and you can choose the warning messages. When ordering please specify the relevant warning message code.

Size 68x33 cm

Bracelets Reflective & Fluorescent



Bracelets in high candlepower reflective film, velvet support and Velcro strap adjustment.

- CA 204801 - White - Size 47 x 7 cm
- CA 204802 - Orange fluo - Size 47 x 7 cm
- CA 204803 - Yellow fluo - Size 47 x 7 cm
- CA 204804 - Red fluo - Size 47 x 7 cm

Luminous Torches



Luminous torches. Luminous stick chemical reaction, absolutely non-toxic, emanates fluorescent light, visible for 360°.

- CA 204901 - White - sold in sheet of 20
- CA 204902 - Yellow - sold in sheet of 20
- CA 204903 - Red - sold in sheet of 20

Handing Door Signs



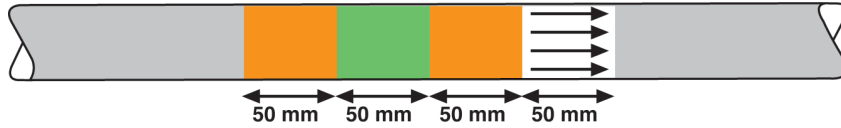
CA205002 CA205003 CA205001

Rigid plastic support
Size 165 x 80 mm fluorescent light, visible for 360°.
Sold in sheets of 50

REGULATION:

ISO 14726-1 (1999) details basic marking of piping system in accordance with the content and/or function on board ships and marine structures.

ISO 14726-2 (2002) details specific additional colours to be used in conjunction with the main colours given in ISO 14726-1.



See page 78 for Pipe Colour Identification Poster

WASTE MEDIA

		CODE
Black water		9107-9118-9107
Waste oil/Used oil		9107-9120-9107
Bilge water		9107-9101-9107
Exhaust gas		9107-9102-9107
Grey water		9107-9117-9107
Sewage - Contaminated		9107-9104-9107

FRESH WATER

		CODE
Fresh water, sanitary		9118-9120-9118
Potable water		9118-9101-9118
Distillate		9118-9102-9118
Gas turbine wash water		9118-9108-9118
Feed water		9118-9131-9118
Cooling fresh water		9118-9105-9118
Chilled water		9118-9117-9118
Consensate		9118-9104-9118

SEA WATER

		CODE
Decontamination water		9101-9118-9101
Sea water, sanitary		9101-9120-9101
Ballast water		9101-9105-9101
Cooling sea water		9101-9104-9101

FUEL

		CODE
HFO (heavy fuel oil)		9120-9107-9120
Aviation fuel		9120-9118-9120
Biological fuel		9120-9105-9120
Gas turbine fuel		9120-9117-9120
MDO (Marine diesel fuel)		9120-9104-9120

NON-FLAMMABLE GASES

		CODE
Oxygen		9102-9118-9102
Inert gas		9102-9120-9102
Nitrogen		9102-9101-9102
Refrigerant		9102-9103-9102
Compressed air - low pressure		9102-9108-9102
Compressed air - high pressure		9102-9111-9102
Control air/Regulating air		9102-9105-9102
Breathing air		9102-9117-9102
Breathing gas		9102-9104-9102

OIL OTHER THAN FUEL

		CODE
Thermal fluid		9108-9118-9108
Lubrication oil for gas turbines		9108-9101-9108
Hydraulic fluid		9108-9102-9108
Lubrication oil for steam turbines		9108-9131-9108
Lubrication oil for gears		9108-9105-9108
Lab. oil for int. combustion engines		9108-9104-9108

STEAM

		CODE
Steam for heating		9131-9107-9131
Exhaust steam		9131-9101-9131
Supply steam		9131-9104-9131

AIR VENTILATION SYSTEM

		CODE
Discharge air		9117-9107-9117
Mechanical supply air - cold		9117-9118-9117
Natural exhaust air		9117-9120-9117
Atmospheric air		9117-9101-9117
Mechanical exhaust air		9117-9102-9117
Decontaminated supply air		9117-9103-9117
Mechanical recirculated air		9117-9108-9117
Mechanical supply air - warm		9117-9131-9117
Smoke clearance		9117-9111-9117
Conditioned supply air		9117-9105-9117
Natural supply air		9117-9104-9117

FIRE FIGHTING/FIRE PROTECTION

		CODE
Fire-fighting water		9111-9101-9111
Fire-fighting gas		9111-9102-9111
Sprinkler water		9111-9108-9111
Spray water		9111-9105-9111
Fire-fighting powder		9111-9117-9111
Fire-fighting foam		9111-9104-9111

FLAMMABLE GASES

		CODE
Hydrogen		9104-9118-9104
Acetylene		9104-9102-9104
liquid gas		9104-9105-9104

FLOW ARROWS

		CODE
Flow arrows		9130

CODE // COLORS

CA 9101 Green	CA 9105 Violet	CA 9117 White	CA 9130 Flow arrows
CA 9102 Grey	CA 9107 Black	CA 9118 Blue	
CA 9103 Maroon	CA 9108 Orange	CA 9120 Golden Brown	
CA 9104 Yellow ocre	CA 9111 Red	CA 9131 Silver	

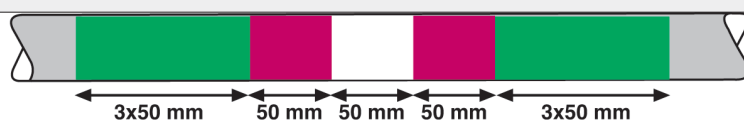
50mm wide x 50m

REGULATION:

A comprehensive range of colour-coded self-adhesive tapes which comply with BS 1710 and BS 4800 for the identification of pipes conveying fluids in liquid or gaseous condition in land installation and on board ships. It also includes ducts and conduits used for carrying electrical services.

METHOD OF APPLICATION

The bands of tape should be applied to oil and dirt free surfaces only. The length of the tape should be trimmed to suit the circumference of pipe, allowing for a 13 mm minimum overlap, and the tapes applied by wrapping smoothly around the pipe, overlapping on the blind side.



		CODE
WATER		
Sea, river or untreated		9101-9101-9101
Fire mains		9101-9111-9111-9101
Drinking		9101-9113-9113-9101
Cooling (primary)		9101-9117-9117-9101
Hydraulic power		9101-9116-9116-9101
Boiler feed		9101-9114-9117-9114-9101
Condensate		9101-9114-9115-9114-9101
Chilled		9101-9117-9115-9117-9101
Heating over 100°C		9101-9118-9114-9118-9101
Heating under 100°C		9101-9114-9118-9114-9101
Hot		9101-9117-9118-9117-9101
Cold		9101-9117-9114-9117-9101
OILS		
Furnace		9103-9103-9103
Diesel		9103-9117-9117-9103
Lubricating		9103-9115-9115-9103
Hydraulic power		9103-9116-9116-9103
Transformer		9103-9114-9114-9103
GASES		
Compressed air		9106-9106-9106
Vacuum		9106-9117-9117-9106
Steam		9102-9102-9102
Refrigerant 12		9104-9118-9118-9104
Refrigerant 22		9104-9119-9119-9104
Refrigerant 502		9104-9120-9120-9104
Anhydrous ammonia		9104-9121-9121-9104
Other refrigerants		9104-9115-9115-9104
Natural gas		9104-9112-9112-9104
OTHER		
Drainage		9107-9107-9107
Elec. conduits and ventilation ducts		9108-9108-9108
Acids and alkalis		9105-9105-9105
Flow direction arrows		9130

CODE // COLORS

CA 9101	Green	CA 9106	Light blue	CA 9113	Auxiliary blue	CA 9118	Blue
CA 9102	Grey	CA 9107	Black	CA 9114	Crimson	CA 9119	Sea green
CA 9103	Maroon	CA 9108	Orange	CA 9115	Emerald green	CA 9120	Golden brown
CA 9104	Yellow ocre	CA 9111	Red	CA 9116	Salmon pink	CA 9121	Dark mauve
CA 9105	Violet	CA 9112	Primrose	CA 9117	White	CA 9130	Flow arrows

50mm wide x 50m

Operational Posters

TITLE	CODE	PAGE
Lifeboat Launching Procedure	CA 2001	59
Liferaft Launching Procedure	CA 2002	59
Inflatable Liferrafts	CA 2003	59
Fully Enclosed Lifeboat Launching from Stowed Position	CA 2004	59
Lifeboat Launching in a dangerous Atmosphere	CA 2005	59
Procedures for entering enclosed spaces	CA 2006	59
Preventing Oil Spills	CA 2008	60
Accommodation Ladders	CA 2013	60
Gangways	CA 2014	60
Man Overboard	CA 2015	60
Abandon ship	CA 2016	60
Enclosed Space and Tank Rescue	CA 2017	60
Free Fall Lifeboat Launching	CA 2020	61
Towing	CA 2021	61
Bunkering	CA 2022	61
Post Oil Spill Actions	CA 2023	61
Hot Work	CA 2024	61
Working Aloft or Outboard	CA 2025	61
Craneage Safety	CA 2030	62
Fire & Explosion Actions	CA 2031	62
Gas Bottle Safety	CA 2032	62
Welding & Flamecutting	CA 2033	62
Engine & Machinery Room Safety	CA 2035	62
Evacuation Chutes & Slides	CA 2043	62
Davit launched Liferrafts	CA 2045	63
Self Contained Breathing Apparatus	CA 2046	63
Mooring	CA 2084	63
Control of Noise	CA 2098	63
Helicopter Operation (winching)	CA 2099	63
Helicopter Operation (landing on)	CA 20001	63
Safety Signs Enclosed Spaces	CA 2053	64
Safety instructions for electrical welding	CA 2074	64
Required Boarding Arrangements for Pilot	CA 2054	64
Pilot Card	CA 2094	64
Wheelhouse Poster	CA 2093	64
Williamson Turn	CA 2095	64
Emergency Muster List	CA 2012	65
Instructions for putting on the life - belts	CA 2019	65
Emergency instructions	CA 2018	65

Informative Posters

TITLE	CODE	PAGE
Fire and Safety Boat Stations	CA 2007	65
Pedestrian Safety in Cargo Operations	CA 2110	65
Muster List	REG 085	65
International Code of Signals	CA 2091	65
Compass Card	CA 2092	65
Warning	CA 2096	65
Fire Extinguisher Types	CA 2070	66
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Operational Posters

Lifeboat Launching Procedure

Istruzioni per Ammassio Lance di Salvataggio

- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT
- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT
- UNLOCK LATCHES
- RELEASE HARNESSES
- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT
- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT
- UNLOCK LATCHES
- RELEASE HARNESSES
- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT
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- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT
- CHECK HARNESSES ARE IN CORRECT POSITION ON LIFEBOAT

BE PREPARED: ENSURE YOU ARE WEARING YOUR LIFE JACKET. COLD KILLS PUT ON AS MUCH CLOTHING AS POSSIBLE AND WEAR A HAT.

BE PREPARED: INDICARE LA POSIZIONE DI SALVATAGGIO. IL FREDDO UCCIDE, INDICARE PIU' VESTITI POSSIBILI ED UN CAPELLO.

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Liferaft Launching Procedure

Istruzioni per Zattere di Salvataggio Lanciabili

- AUTOMATIC RELEASE
- LOOK FOR AND RELEASE MANUAL SLIP HOOK
- CHECK PAINTER IS BACK EAST
- CHECK IT IS CLEAR OVER THE ENTRANCE
- DOWN LIFERAFT INTO THE SEA
- PULL ON THE PAINTER UNTIL THE LIFERAFT MOVES TOWARD THE SHIPS SIDE

NEVER LAUNCH A LIFERAFT UNTIL YOU ARE READY TO USE IT. NON LANCiare LA ZATTERA FINO A QUANDO NON SI E' PRONTI AD USARLA.

PROCEDURE FURFURAT VITELE SECONDO INDOZIO. PROCEDIMENTO SE LA ZATTERA SUGGERA CAPACITA.

BE PREPARED: ENSURE YOU ARE WEARING YOUR LIFE JACKET. COLD KILLS PUT ON AS MUCH CLOTHING AS POSSIBLE AND WEAR A HAT.

BE PREPARED: INDICARE LA POSIZIONE DI SALVATAGGIO. IL FREDDO UCCIDE, INDICARE PIU' VESTITI POSSIBILI ED UN CAPELLO.

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Inflatable Liferafts

Vitali Azioni After Launching

Zattere Autogonfiabili

Azioni Vitali dopo la messa in Mare

- CUMBER DOWN TO THE BAFT
- DO NOT JUMP ONTO THE CHANDY
- DO NOT KEEP ANY CIGARETTES OR NON BANNED
- CLOSE THE PAINTER
- CUT THE PAINTER
- MOVING EXTRA STRATEGY TO REDUCE ENTRANCE
- CLOSE THE ENTRANCES

MAINTAIN THE LIFERAFT IN GOOD CONDITION. MANTENERE LA ZATTERA IN BUONE CONDIZIONI.

THIS COMPLETES THE VITAL INITIAL ACTIONS FOR SURVIVAL YOU SHOULD THEN READ THE INSTRUCTION LEAFLET WHICH IS IN THE LIFERAFT EQUIPMENT PACK.

QUESTE AZIONI VITALI SONO ESSENZIALI PER LA SICUREZZA E LA VITA IN SICURTÀ DOVRETE LEGGERE IL MANUALE D'ISTRUZIONI ALL'INTERNO DELLA ZATTERA.

BE PREPARED: ENSURE YOU ARE WEARING YOUR LIFE JACKET. COLD KILLS PUT ON AS MUCH CLOTHING AS POSSIBLE AND WEAR A HAT.

BE PREPARED: INDICARE LA POSIZIONE DI SALVATAGGIO. IL FREDDO UCCIDE, INDICARE PIU' VESTITI POSSIBILI ED UN CAPELLO.

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Fully Enclosed Lifeboat Launching from Stowed Position

Procedures for launching (SOLAS chapter II, regulation 28)

Procedura per il lancio di una zattera chiusa

- Initial preparations
- Launch actions
- Lower to water
- Entering water
- Letting go
- Final actions

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Lifeboat Launching in a dangerous Atmosphere

Procedures for launching an enclosed lifeboat in a dangerous atmosphere

- Check direction to safe area
- Make ready
- Start air supply for passengers and engine
- Launch & start sprays
- Head for safety
- Important information

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PROCEDURES FOR ENTERING ENCLOSED SPACES

PROCEDURA PER L'ACCESSO A COMPARTIMENTI CHIUSI

BECAUSE OF THE DANGER THAT EXISTS, ENTRY TO AN ENCLOSED SPACE SHOULD ONLY BE CONSIDERED FOR ESSENTIAL REASONS. THE CORRECT PROCEDURE MUST BE FOLLOWED. IT IS RECOMMENDED THAT A CHECK LIST IS USED TO COMPLETE THE PROCEDURE. ONLY IN AN EMERGENCY SHOULD ENTRY BE CONSIDERED USING BREATHING APPARATUS. SELDOM WILL ANY SPACE REMAIN SAFE. CONSTANT SAFETY CHECKS ARE ESSENTIAL. SOMEONE'S LIFE IS USUALLY AT RISK.

L'ACCESSO A COMPARTIMENTI CHIUSI DEVE ESSERE LIMITATO A SITUAZIONI DI EFFETTIVA NECESSITA'. DEVE ESSERE SEGUITA LA CORRETTA PROCEDURA E COMPLETATA LA LISTA DI CONTROLLO PREVENTIVA. L'INGRESSO IN UN COMPARTIMENTO CHIUSO NON DEVE ESSERE EFFETTUATO SOLO IN EMERGENZA PREVA. ATTUAZIONE DELLE PROCEDURE PREVISTE DALLE NORME DI SICUREZZA.

THIS IS A MANDATORY SIGN

QUESTO SEGNALE EVIDENZIA UN OBBLIGO

CLEAN cargo tanks and head tanks before and during operation. PULIRE le cisterne a stiva e i serbatoi prima e durante l'operazione. PULIRE con l'acqua dolce (se applicabile).

NON ENTPRENDERE L'ACCESSO A SPAZII CHIUSI SENZA ADEGUATE MISURE DI SICUREZZA.

VENTILATE thoroughly and continuously before and during operation. PULIRE con l'aria pulita (se applicabile).

VENTILATE continuamente e continuamente prima e durante l'operazione. PULIRE con l'aria pulita (se applicabile).

TOOL must be of correct type and correct for intended job. AGENDEME gli attrezzi appropriati prima di entrare.

ILLUMINATION adequate and continuously safe. ILLUMINAZIONE adeguata e continua.

ACCESS adequate and continuously safe in good condition. ACCESSO adeguato e continuo in buone condizioni.

ADJACENT SPACES MAY BE A HAZARD AND LEAK INTO A SAFE COMPARTMENT. SUCH SPACES MUST ALSO BE RENDERED SAFE THROUGHOUT THE OPERATION.

I COMPARTIMENTI ADIACENTI POSSONO ESSERE A RISCHIO E IL FREDDO PUO' PROPAGARSI AD UN COMPARTIMENTO SICURO. TALI SPAZII DEVONO ESSERE RESI SICURI DURANTE LE OPERAZIONI.

NO HOT WORK

NESSUN LAVORO A CALDO

THE PROCEDURE ABOVE IS NOT VALID FOR HOT WORK. COMPANY REGULATIONS MUST BE STRICTLY COMPLIED WITH AT ALL TIMES WHENEVER WORK IS TO CONDUCTED IN THESE SPACES. THIS ALSO APPLIES TO CONTAINMENT OF HAZARDOUS SUBSTANCE OR WASTE.

IL PROCEDIMENTO SOPRACCIETTO NON VALE PER LAVORI A CALDO. I REGOLAMENTI DELLA COMPAGNIA DEVONO ESSERE STRETTAMENTE SEGUITI DURANTE TUTTE LE OPERAZIONI IN QUESTI SPAZII. QUESTO SI APPLICA ANCHE AL CONTENIMENTO DI SOSTANZE PERICOLOSE O DI RIFIUTI.

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Operational Posters

Preventing Oil Spills

Procedures to reduce the likelihood of oil spills

WARNING
The International Convention for the Prevention of Pollution from Ships (MARPOL 72/78) aims to prevent the commission, abbreviation or intentional pollution of the marine environment by oil and other harmful substances. Ship Regulations are also in force. By following the Regulations and observing the various safety working practices listed here, damage to the environment will be greatly reduced. REMEMBER HEAVY FINES AND OVE PENALTIES CAN BE IMPOSED IF THE REGULATIONS ARE BROKEN.

- 1 Know your ship**
Where are the overflow and sounding pipes? Check that they are clearly marked especially after painting or repairs. Remember that an "air bubble" can force oil out of a goose-neck ventilator.
- 2 Plug scuppers**
Plug scuppers when bunkering, loading or discharging oil. If there is heavy rain, then open one scupper, drain off the water and re-plug. Repeat if necessary.
- 3 Use serviceable equipment**
Do not use untested equipment. It may rupture or break. Cargo and bunker hoses should be handled with care and stored without bands that may fracture the hose.
- 4 Communications and identification**
Agree clear signals with terminal/bunkering station. Keep a watch on valves and flanges. Frequently look over the side for traces of oil on the water. Make sure you open the correct valve. Always close a valve tight and check the position indicator.
- 5 Control pumping rate**
Slow down the rate of oil being pumped and "top-off" tanks with extreme caution. Keep a careful watch on ventilators and overflow points.
- 6 Use drip trays**
If heavy connections are being made or broken, drip trays must be used to catch any spillage. Blank the ends of hoses and pipe connections.

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Accommodation Ladders

Safe rigging and use of accommodation ladders

- 1 General safety**
Ensure all ladders are clearly marked with the following information:
MANUFACTURER: XXXXX
MODEL NO.: XXXXXX
ANGLE OF INCLINATION TO LEVEL: XXX
SWL: XXXXX
MAX. NO. OF PERSONS: XX
Ensure the manufacturer's instructions and safety notes are available on board and consult the ships safety manual for procedures.
If point of access is above deck level, a safety secured tubular ladder must be provided and fenced to a height of 1.1 metres.
All equipment must be maintained, tested and inspected in accordance with the manufacturer's instructions of appropriate intervals by a competent person.
No equipment should be painted in such a way as to conceal cracks or defects.
Butts and joints of rope/rein or other insulating material must be used between steel and aluminium parts.
Reports to alloy ladders using steel, brass or other dissimilar metals should be considered temporary.
Permanent repairs or replacements must be undertaken at the earliest opportunity.
- 2 Rigging**
Ladders must be kept within their design limits for reach, load, angle, being and suspension.
Ladders must be checked by a responsible person other rigging.
Frequent checks for adjustment due to side on trim of vessel must be made.
Drip ropes and chains must be test of all lines with structures rigidly secured.
Frame ladders are set to correct angle, no greater than 55° from the horizontal, unless designed for a larger angle.
Where there is a risk of personnel falling, suitable safety nets must be securely rigged.
A lifebuoy with light and spot with buoyant safety line must be provided ready for use at the point of access aboard the vessel.
In the event of the ladder being able to swing away from the steps etc, a suitable means of securing should be used.
- 3 Access**
The ladder and approaches must be illuminated to a minimum of 20 lux, measured at a height of 1 metre above the surface. Under adverse conditions, illumination should be increased to a minimum of 30 lux.
Approaches must be kept clear of obstructions, slip or trip hazards and suspended loads. Where this is not practical, appropriate warning notices must be posted. Where available, electric access must be supervised at all times.
Defects affecting the safety of access, including facilities provided by shore authorities, must be reported immediately and made good prior to use.
Where ladders are rigged over water, access using appropriate boats must be supervised at all times.

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Gangways

Safe rigging and use of gangways

- Ensure each stanchion is locked into position, ropes are taut and all traffic surfaces and hand rails are clean.
- Ensure the shipboard end of the gangway is securely located on the guardrail and lashed in the correct manner.
- MAXIMUM 30°**
Ensure safety net is properly rigged and spread with gangway set to the correct angle.
- MINIMUM 20 LUX**
Ensure gangway is adequately illuminated from either ship or shore.
- Do not exceed safe working load.
- Do not use in adverse weather.
- Do not use on an uneven quayside.
- Do not place gangway on guardrails or any other unsuitable structure.

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Man Overboard

Vital action on discovery of a man overboard

- 1 Immediate actions - Deck**
Throw nearest lifebuoy towards casualty
Notify bridge/raise the alarm
Summon assistance
Keep casualty in sight
Advise action party of situation
- 2 Immediate actions - Bridge**
Hein hard over to casualty side
Stop main engine
Sound man overboard alarm (three long blasts on ships siren)
Advise action party of situation
Release bridge wing lifebuoy, check for light and/or smoke
Inform galley to cease discharge of foodstuffs
- 3 Initial response - at sea**
Commence ships turn
Post extra look-outs with binoculars
Ready and launch rescue boat when casualty visible
Rig ladders and scramble nets
Prepare first aid station, equip for resuscitation
- 4 Initial response - at anchor or in harbour**
If close to ship side, use lifebuoy and line, otherwise throw lifebuoy
Muster rescue boat crew and establish communication with rescue boat
Inform shore side Authorities
Post extra look-outs
Rig ladders and scramble nets
Prepare first aid station, equip for resuscitation
- 5 Secondary response if casualty not located**
Increase look-outs
Commence search pattern
Advise nearest RCC and other ships in the area
Maintain log, reporting situation as it develops

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Abandon ship

Vital actions preparing to abandon ship

- 1 On hearing the emergency signal**
Put on warm clothing, immersion suits and lifejackets.
Go to your muster/assembly station.
- 2 Preparation of survival craft**
Detailed crew prepare lifeboats and liferafts.
Collect lifejackets, SART and portable radios.
- 3 Boarding on deck**
DO NOT ABANDON SHIP UNTIL ORDERED TO DO SO
Detailed crew will instruct personnel on embarkation procedures and launch survival craft.
- 4 Boarding on water**
DO NOT JUMP INTO THE WATER UNLESS ABSOLUTELY NECESSARY
Board the survival craft using ropes and fire hoses when normal access is unavailable.
If you do have to jump into the water then ensure the following:
Lifejacket is securely fastened and area below is checked for obstructions.
Arms are crossed over chest and nose is pinched.
Feet are kept together.
Then:
Look straight ahead and jump feet with legs together and toes pointing down. Hold for the water longer than necessary.
If no survival craft is close, keep clear of the ship and let the liferaft support you.
Use the light and whistles to attract attention.
DO NOT swim aimlessly about, try and join up with others.

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Enclosed Space and Tank Rescue

Safety procedures for recovering a casualty from a hazardous atmosphere

- 1 Raise the alarm**
ACT QUICKLY
Summon assistance, provide details of the incident.
DO NOT ENDANGER YOUR OWN LIFE BY ATTEMPTING A RESCUE WITHOUT THE PROPER EQUIPMENT OR ASSISTANCE
Stay at incident scene if safe. Observe casualty. Provide updated information to emergency team.
- 2 Start rescue**
Rescue team to use protective clothing, breathing apparatus, personal gas monitors, rescue and communication equipment.
Check all equipment for correct function.
First aid team ready with resuscitation equipment.
- 3 Emergency first aid and rescue**
Resuscitate and stop serious bleeding.
Carry out rescue maintaining radio contact with safe area.
- 4 First aid and after care**
Administer first aid in safe area.
Move casualty to medical room when safe. Consider evacuation from ship if required.
On completion of rescue, re-check rescue equipment and protective clothing, replenish first aid kit and breathing apparatus as necessary.



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Operational Posters

Free Fall Lifeboat Launching

Procedures for launching a free fall lifeboat

- Muster crew**
 - Switch on floodlights if required.
 - Where inflatable lifeboats are provided do not inflate until other launch.
 - Ensure lifeboat is clear to launch with recovery slings and gripes disconnected.
 - Open embarkation door.
- Launching checks**
 - Check launching area is clear of all obstructions.
 - Check water is deep enough for freefall launch.
 - Helmsman enters boat and starts engine.
- Helmsman's actions**
 - Engine running satisfactory stop engine and set controls for nearest other launch.
 - Set propeller in neutral.
 - Set wheel amidships in "0" position.
 - Close automatic drain pipe.
 - Disconnect ship to boat electric plug.
- Embarkation**
 - Survivors embark to designated seats.
 - Close hatches and ventilators.
 - Close and secure door.
 - Fasten seat belts and head restraints.
 - Helmsman checks all secure.
- Launching**
 - Everybody braces. Use brace bars where provided.
 - Helmsman operates hydraulic release and if this fails, operates emergency release.
- Further actions**
 - After launch, re-start engine.
 - Open ventilation or operate compressed air supply and spray if required.
 - Clear area and operate radio distress signals.



DRILL FREQUENCY & EXERCISE LAUNCH PROCEDURE

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Towing

Recommended procedures for safe towing operations

TUG ACTIONS **SHIP ACTIONS**

- Making fast**
 - Establish clear communication with tow.
 - All crew to wear full protective clothing.
 - All water-tight doors to be closed.
 - All equipment to be in good order.
 - No oil on decks.
 - Push emergency releases.
 - Prepare gear to run free of obstructions.
 - Indicate where to land heaving line & stand clear.
- Towing or trailing**
 - Use correct gear for prevailing weather conditions.
 - Keep all deck openings closed.
 - Stand clear of towing area when gear is under load.
- Letting go**
 - Be aware that the tow may release without warning.
 - Keep decks clear or loose gear.
 - Be aware that tow-lines can foul during recovery.

SHIP ACTIONS

- Making fast**
 - All crew to wear full protective clothing.
 - No rings, brackets or anything which might catch to be worn.
 - Crew to be properly supervised, briefed and clear signals agreed.
 - Establish clear communications.
 - Area to be clear of hydraulic leaks.
 - Ensure all equipment is in good order.
 - Three heaving lines into clear area, not directly at tug-crew.
- Under tow**
 - Do not stand in blights.
 - Stand away from low-ways in place of safety.
 - Whenever possible use panorama leads in preference to roller leads.
 - Supervisors to keep tug in sight but far from dead end.
 - Place eye of tow-rope stress.
 - Keep decks clear and never allow ropes to tangle.
- Letting go**
 - Be aware that the tow may release without warning.
 - Release tow only after the weight has been eased and when ordered to do so.
 - Tow must always be released in a controlled way by means of a messenger rope.
 - Use correct messenger rope has.
 - Turn to starboard to control.
 - One crew member guides tow messenger, remainder stand clear.



Emergency towing arrangements
Consider wind blown flammable vapours reaching the hot work area and heat transfer to adjoining plates and spaces.

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Bunkering

Safety procedures before, during and after bunkering

Before Bunkering **Check:**

Actions:

- Establish communications between ship and bunkering station/barge.
- Fit fire fighting equipment.
- Position drip trays and save oil.
- Plug scuppers.
- Post "No Smoking" and "No Naked Light" signs.
- Close scuffles, windows and air conditioning trimbles.
- Tie off hoses to prevent strain on end fitting.

Check:

- Vessel and barge are moored securely.
- Safe access between ship and bunker barge.
- The deck watch is fully briefed.
- Emergency shut down procedure is discussed and agreed.
- Tools, valves and all other electrical equipment is suitable for hazardous area operation.
- Suitable protective clothing is available and being used.
- All personnel involved in the operation are aware of designated escape routes.
- Sufficient personnel are retained on board to deal with an emergency.
- Bunkering area is adequately lit.

During Bunkering **Check:**

Actions:

- Take periodic witnessed oil samples.
- Reduce loading rate before topping off.
- Close valves as each tank is loaded.
- Notify bunker station/barge when final tank is being filled.
- Allow sufficient ullage to drain hoses and lines.

Check:

- All filling valves are closed.
- All lines and hoses have been drained and blanketed.
- All bunker tank vents, breathing tubes etc., are secured.
- All crews are free from oil and all equipment is stowed correctly.

After Bunkering **Check:**

Actions:

- Close and blank off manifold.
- Blank off hose before fitting it over the side.
- Unplug scuppers and open drains.
- Drain and stow drip trays.
- Wipe away any drips and minor spills.
- Send bunker samples for analysis.

Check:

- All filling valves are closed.
- All lines and hoses have been drained and blanketed.
- All bunker tank vents, breathing tubes etc., are secured.
- All crews are free from oil and all equipment is stowed correctly.

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Post Oil Spill Actions

Recommended procedures to minimise the effect of an oil spill




WARNING: The International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) aims to achieve the complete elimination of intentional pollution of the marine environment by oil and other harmful substances. OPEC Regulations on new tonnage by following the Regulations and observing the common sense working practices listed here, damage to the environment will be greatly reduced. ESTIMATED HARMFUL EFFECTS (HARMFUL EFFECTS) CAN BE MINIMISED BY THE BELOW ACTIONS. SEE ENDSIDES.



- On discovering shipboard spill**
 - Stop pumping.
 - Immediately notify the Officer of the Watch.
 - Ensure scuppers are plugged.
 - In hazardous situations, ready fire prevention and extinguishing equipment.
 - Notify appropriate authorities as necessary.
 - Refer to SCOPP Procedures for spill oil.
 - Post "No Smoking" and "No Naked Light" signs.
- Deck containment**
 - Wear protective clothing.
 - Prevent oil flow overboard at all costs.
 - Make ready and where possible commence clean-up operations using available shipboard equipment and materials.
 - Clean-up residue and materials must be carefully stored prior to disposal.
- On discovering external spill**
 - Stop pumping.
 - Locate source of leakage.
 - Check and record tank soundings.
 - Observe movement of spill oil.
 - Report promptly to all commands from Officer in Charge.
 - Refer to SCOPP Procedures for spill oil.
 - Notify appropriate authorities - refer to SCOPP Procedures for relevant communication numbers.
 - Post "No Smoking" and "No Naked Light" signs.
- Ship actions for external spill**
 - Close necessary sea water suction.
 - Transfer oil from affected tanks.
 - Manoeuvre up-wind or away from land.
 - Assess damage.
 - Log oil spill movement.

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Hot Work

Recommended safety preparation for hot work

- Plan the work**
 - Hot work is any operation which produces sufficient heat to ignite flammable products i.e. welding, cutting and grinding.
 - Plan the work, carry out risk assessment considering working conditions, i.e. aloft, outboard proximity to hazards and weather. Implement permit-to-work and enclosed space entry procedures.
 - Plan emergency escape routes and establish communications and emergency signals.
- Minimise the dangers**
 - Ensure personnel are using suitable protective clothing and equipment.
 - Post warning notices and protect other personnel from sparks, fumes and electric arcs.
- Prepare work area**
 - Remove all debris from work area.
 - Isolate, tag and lock off all supply services.
 - Pipes and valves should be drained of liquid and gas freed, open pipes should be blanked off.
 - Flush pumps and lines with water before opening.
 - In enclosed spaces, ventilation and fume extraction must be in continuous operation and a gas free certificate issued by an authorised person.
- Safety during and after work**
 - Post fire watch with appropriate equipment and clear view of work area. Ensure fire hose is run out, pressurised and tested.
 - Welding and cutting equipment must be in serviceable condition. Arc welders must be earthed and gas bottles must be safely stowed and secured.



ON COMPLETION, ENSURE THAT NO FIRE RISK REMAINS AND THAT ALL HOT SURFACES HAVE COOLED BEFORE LEAVING THE WORK AREA UNATTENDED AND THAT PERMIT-TO-WORK IS SIGNED OFF.

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Working Aloft or Outboard

Be aware of the risks when working outboard and aloft

- Preparation**
 - All equipment stored in cool dry ventilated space.
 - Ensure equipment is in date, has current test certificates if applicable and checked by supervisor.
 - Checklist must include all safety hazards.
 - Anchor points or lines, beams and blocks must be checked for adequate strength.
- Risk awareness**
 - A Sea State
 - B Radar
 - C Aerial Radiation
 - D Falling Objects
 - E Exhaust Gases
 - F Ship's Whistle
 - G Overboard Discharge
 - H Propellers
- Briefing**
 - Crew briefed on job and emergency actions.
 - Hazardous equipment to be isolated.
 - Warn engine room officer of the watch.
 - Post warning signs.
 - Check weather forecast.
 - Establish effective means of communication.
 - Incompetent crew not to work aloft alone.
 - Issue permit-to-work.
- Working aloft**
 - Wear safety harness.
 - Use two lanyards - keep one clipped at all times.
 - Carry tools in special bag or hold in secure bag.
 - Ensure gloves, boots and clothing fit correctly.
 - Tools to be greased and oil free.
 - Clear area below and around off.
 - Personnel must be trained aloft by hand - do not use a watch.
- Use of portable equipment**
 - When using a running line, ensure bow of shackles run on spurs, not the pin.
 - Secure base of portable ladders.
 - Ensure angles and rung space dimensions are correct.
 - Do not use portable ladders on steeply sloping surfaces.
 - Do not allow ropes to load over sharp edges without protection.
 - Safety harness to be worn ≥ 100 mm, 115 mm, working height exceeds two metres.
- Working outboard**
 - No outboard working when underway.
 - Ensure an attendant is always present to tend ropes and act in an emergency.
 - Lifeline and line ready.
 - Allocate to be worn at all times.
 - Access to be ready (not pilot ladders).
 - Lifelines to be worn when launching or lifting.
 - Set of paddles to be supplied to punt.

An ISM Code Safety Poster
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CA 2025
self adhesive
size 48 x 33 cm

Operational Posters

Davit launched Liferaft

Procedures for davit launching inflatable liferafts

- Prepare launch area**
 - Remove handrail section or open gate.
 - Unlash and manoeuvre container to launch position, ensuring INBOARD side is correctly positioned.
 - Loose and expose lifting shackles.
- Prepare canister**
 - Secure canister lines outboard.
 - Secure bowing lines.
 - Attach hook to raft shackle.
 - Pull out approximately 3 metres of painter.
- Raise raft and turn out davit to present position**
 - Ensure hook and brake lanyards are inboard.
 - Secure end of painter.
 - Pull out full length of painter, then give a sharp tug to release line.
- Embarkation procedure**
 - Tighten bowing line and secure raft.
 - Raft persons boards first to check raft, having collected PBRs and SAR.
 - Survivors in liferaft board ensuring weight is evenly distributed.
 - Ensure hook and brake lanyards are outboard.
 - Deploy painter.
 - Move canister away from launch area. Do not throw overboard.
- Lower liferaft**
 - Check hoist handle is retracted from down.
 - Balance bowing lines and stop to raft.
 - Check hoist lines are clear.
 - Lower raft using brake release.
- Release liferaft**
 - Operate brake release through descent.
 - Operate hoist release to stop.
 - Allow raft to impact automatically.
 - Cut painter and clear vessel immediately to allow further launches.

SMALL DETAILS OF OPERATION MAY VARY BETWEEN DIFFERENT MANUFACTURERS. REFER TO SHIPS SAFETY MANUAL, WHEREVER POSSIBLE.

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CA 2045 self adhesive size 48 x 33 cm

Self Contained Breathing Apparatus

Safety procedures for using apparatus in hazardous conditions

Where recharging facilities are not available, empty and low charged cylinders should be labelled and stored elsewhere. Check all certificates are valid. Read and learn the makers instructions.

- Check weekly and before using**
 - Put the set on in clean air conditions.
 - Place the arms through shoulder straps.
 - Position cylinder high on the back.
 - Adjust shoulder straps.
 - Tighten the waist belt.
- Donning the breathing apparatus**
 - Remove used cylinders and recharge with clean air.
 - Check and clean face mask with clean air.
 - Check and clean face mask following manufacturers instructions in protective cover.
 - Hang up the apparatus as instructed by the manufacturer. Do not store apparatus in a box.
 - Only use spare cylinders fully charged and not used.
 - ONLY with breathing apparatus.
 - All equipment should be kept ready for immediate use.
- Adjusting and checking the functions**
 - Place face in mask, chin first.
 - Tighten straps, bottom to top.
 - Test air tightness of mask, air supply and breathing functions, following makers instructions.
 - Fully open air supply and breathe normally.
- Start operation**
 - Keep a record of each B.A. used.
 - Carriage plans on the helicopter, with particular details.
 - Establish contact with the helicopter commander or other crew members.
 - Use details of escape, use check list and maintain calm.
 - After wear is over, call sign, position, status, time, date, location, name, and other details.
- After operational use**
 - Decommission.
 - Check all parts for damage and cleanliness.
 - Remove used cylinders and recharge with clean air.
 - Check and clean face mask with clean air.
 - Check and clean face mask following manufacturers instructions in protective cover.
 - Hang up the apparatus as instructed by the manufacturer. Do not store apparatus in a box.
 - Only use spare cylinders fully charged and not used.
 - ONLY with breathing apparatus.
 - All equipment should be kept ready for immediate use.

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CA 2046 self adhesive size 48 x 33 cm

Mooring

Procedures for Mooring / Unmooring

- Prior to Arrival**
 - Ensure all equipment is operational and tested.
 - Personnel to be fully acquainted with mooring equipment.
 - Mooring ropes, vines and stoppers must be inspected and in good condition.
 - Check illustration with tug and vessels crew.
 - Check communication with tug and vessels crew.
 - Pass on officers in charge of mooring operations.
 - Officers in charge of mooring stations to be known.
 - Layout mooring.
- On Pilot Boarding**
 - Mooring clear and open mooring plan with pilot including, tug and towing arrangements, First Line Afters and method of passing ropes.
 - Check communication with tug and vessels crew.
 - Pass on officers in charge of mooring operations.
 - Officers in charge of mooring stations to be known.
 - Layout mooring.
- On arrival of Tugs**
 - Do not stand in lights.
 - Stand well clear from tow-rope in place of safety.
 - Whenever possible use pressure loads.
 - Supervisor to keep log in right hand corner of first sign.
 - Place eye of tow-rope under form of support bit.
 - Keep deck clear and never allow ropes to touch.
- During Mooring**
 - Do not stand in lights.
 - Stand well clear from tow-rope in place of safety.
 - Whenever possible use pressure loads.
 - Supervisor to keep log in right hand corner of first sign.
 - Place eye of tow-rope under form of support bit.
 - Keep deck clear and never allow ropes to touch.
- Tending to mooring**
 - Mooring must be payed out under power.
 - Mooring must be payed out under power.
 - Mooring must be payed out under power.
 - Mooring must be payed out under power.
- Casting off**
 - Agree Plan with Pilot.
 - Confirm plan with officers and crew.
 - Good and clear communication to be established.
 - All safety and ropes to be cast off in controlled manner.
 - Secure excessive strain can occur in wires and ropes during mooring.
 - On completion of operations mooring areas to be cleared and equipment correctly stowed.

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CA 2084 self adhesive size 48 x 33 cm

Control of Noise

Reference IMO Code on Noise Levels on Board Ships Exceptions can apply

- Employers Responsibilities**
 - Instructions in the board of noise exposure and the risk of hearing loss to be given at all employment and periodic intervals.
 - Any noise exposure (EAP) should comply with all advance warning signs including visible and supplementary text, only in such cases is the contrast between back light, glossy appearance or other possible equipment needs (LED) to avoid safety conditions warning (reference used to be provided).
 - Provide advance hearing protection on an individual basis.
 - Provide a hearing Conservation that is suitable exposed to high levels of noise and that exposure is limited by the workers.
 - Draw up all signs and warning surfaces are correct and placed in the correct areas.
- Noise Survey Report**
 - Determine exposure action values and exposure limit values and that they will not be exceeded.
 - Determine who is at risk and what their daily and weekly exposure is.
 - Determine who is at risk and what their daily and weekly exposure is.
 - Prepare an action plan.
 - Keep an on-site record and regular reviews.
- Provided Training**
 - Reasons to reduce or to minimize the risk from noise.
 - Display exposure limits and action values.
 - Correct use of hearing protection.
 - Health surveillance arrangements.
 - Determine who is at risk and what their daily and weekly exposure is.
 - Minimum mechanical vibration exposure levels.
 - Detection and reporting of injury and the importance of doing so.
- Seafarers Responsibilities**
 - Determine exposure action values and exposure limit values and that they will not be exceeded.
 - Determine who is at risk and what their daily and weekly exposure is.
 - Determine who is at risk and what their daily and weekly exposure is.
 - Prepare an action plan.
 - Keep an on-site record and regular reviews.
- General**
 - When noise requires the use of ear protection or hearing aids to be used for 4 hours continuous or 24 hours in 24 hours.
 - Unprotected individual should be exposed to a 2 dB(A) maximum level of 80 dB(A).
 - Seafarers should avoid prolonged exposure to noise in an environment with noise levels above 75 dB(A).
 - Seafarers should avoid prolonged exposure to noise above 105 dB(A).
 - Hearing protection need to be supplied and correct for the noise levels assessed.
 - The provision of hearing protection should be for the most effective noise control.

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CA 2098 self adhesive size 48 x 33 cm

Helicopter Operations

Winching

Reference appropriate flag state and International guidance such as ICS publication "Guide to helicopter/ship operation"

- Preparation**
 - Where not already marked a helicopter operation area to be established.
 - Carriage plans to be made and checked, with particular details.
 - Establish contact with the helicopter commander or other crew members.
 - Use details of escape, use check list and maintain calm.
 - After wear is over, call sign, position, status, time, date, location, name, and other details.
- Pre-arrival**
 - Obtain the above aspects of cloud cover, height of cloud base to feet, visibility, and debris on sea height.
 - Apply the helicopter winching frequency.
 - Check rope, suspension, grapple and open brackets are in secure, correct position and not damaged.
 - Always use ISM compliant operational checklist.
- Helicopter communication**
 - Establish direct contact with helicopter and give details of winching area.
 - Helicopter operator in control weather conditions.
 - If required provide position of patient condition including ability to move.
 - Clear person or aircraft which can be deck space.
 - Display correct signal for vessel restricted in ability to manoeuvre.
 - Do not wear hard hat when in the vicinity of the helicopter.
 - Do not wear hard hat when in the vicinity of the helicopter.
- Hi-Line Technique**
 - Person attaches one end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
- Recovery**
 - After the winching line, which may or may not touch the deck to reduce the risk of damage to the deck.
 - Do not stand in the path of the winching line.
 - Do not stand in the path of the winching line.
 - Do not stand in the path of the winching line.

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CA 2099 self adhesive size 48 x 33 cm

Helicopter Operations

Landing

Reference appropriate flag state and International guidance such as ICS publication "Guide to helicopter/ship operation"

- Preparation**
 - Carriage plans to be made and checked, with particular details.
 - Establish contact with the helicopter commander or other crew members.
 - Use details of escape, use check list and maintain calm.
 - After wear is over, call sign, position, status, time, date, location, name, and other details.
- Pre-arrival**
 - Obtain the above aspects of cloud cover, height of cloud base to feet, visibility, and debris on sea height.
 - Apply the helicopter winching frequency.
 - Check rope, suspension, grapple and open brackets are in secure, correct position and not damaged.
 - Always use ISM compliant operational checklist.
- Helicopter communication**
 - Establish direct contact with helicopter and give details of winching area.
 - Helicopter operator in control weather conditions.
 - If required provide position of patient condition including ability to move.
 - Clear person or aircraft which can be deck space.
 - Display correct signal for vessel restricted in ability to manoeuvre.
 - Do not wear hard hat when in the vicinity of the helicopter.
 - Do not wear hard hat when in the vicinity of the helicopter.
- Hi-Line Technique**
 - Person attaches one end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
- Landing**
 - Person attaches one end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
- Crew/equipment transfer**
 - Person attaches one end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.
 - Person attaches other end of winching line to the deck structure or strong point.

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CA 20001 self adhesive size 48 x 33 cm

Operational Posters

Safety Signs
ENCLOSED SPACES

Segnali di Sicurezza
SPAZI CHIUSI

SOME ENCLOSED SPACES ON THIS SHIP MAY CONTAIN A DANGEROUS ATMOSPHERE THAT WILL NOT SUPPORT LIFE

ALCUNI SPAZI CHIUSI SULLA NAVE POSSONO CONTENERE GAS MORTALI.

THESE SPACES WILL BE MARKED AT ALL ENTRANCES WITH THE SAFETY SIGNS DISPLAYED BELOW

DO NOT IGNORE THEM!

ESAMPLES / ESEMPLI

CARGO TANKS, FUEL TANKS, SMALL LEST TANKS, FRESH WATER TANKS, DUCT KEELS, COFFERDAMS

BILGE SPACES, PUMP ROOMS, DRY CARGO SPACES, TRUNKWAYS, REFRIGERATOR PLANT ROOMS, PAINT STORES

QUESTI SPAZI SONO SEGNALATI AL LORO INGRESSO CON I SICUREZZI SEGNALE DI SICUREZZA.

NON IGNORATELI!

DANGER Low Oxygen Level

CA 2080A
self adhesive - size 20 X 5 cm

DANGER Flammable Atmosphere

CA 2081A
self adhesive - size 20 X 5 cm

NO SMOKING NO NAKED LIGHTS

CA 2082A
self adhesive - size 20 X 5 cm

DANGER Toxic Vapours

CA 2083A
self adhesive - size 20 X 5 cm

NO ENTRY To Unauthorised Personnel

CA 2084A
self adhesive - size 20 X 5 cm

ANCHE UNA PICCOLA RIDUZIONE IN THE OXYGEN LEVEL CAUSE CAPELLI, ALI, EYES, PELLE, TESSUTI, OGGIETTINI, METALLO, ETC. A DANGEROUSLY SHORTLY AFTER THE EXHAUSTION OF THE OXYGEN, THE PERSONS ENTERING WILL DIE.

UNO DEI PERICOLI POSSIBILI SOSTITUIRE IN UN UNICO SPAZIO CHIUSO

Reduces risk for ENTERING ENCLOSED SPACES must be carried out before entry is permitted

Le procedure per ACCEDERE AGLI SPAZI CHIUSI devono essere eseguite prima che l'entrata sia autorizzata

When in doubt check with someone in Authority

THE TEMPTATION TO TAKE A CHANCE IS VERY HIGH, ESPECIALLY TO SAVE TIME OR SOMEONE ELSE IN DIFFICULTY... DON'T!

LA TENTAZIONE DI RISCHIARE E' MOLTO FORTE, SPECIAMENTE PER RISPARMIARE TEMPO O SALVARE QUALCUNO IN DIFFICOLTA'... NON FATELO!

CA 2053
self adhesive
size 48 x 33 cm

REQUIRED BOARDING ARRANGEMENTS FOR PILOT

ATTREZZATURA PER NAVI CON BORDO LIBERO

IN ACCORDANCE WITH I.M.O. REQUIREMENTS AND I.M.P.A. RECOMMENDATIONS

PROCEDURA IMBARCO PILOTA

PILOTA LADDER WINCH PILE

SECONDO LE REGOLE SOLAS V023 & RISOLUZIONE IMO A. 1045(27)

CA 2054
New 2012 type
size 48 x 33 cm

Istruzioni di sicurezza per le operazioni di saldatura elettrica
Safety instructions for electrical welding

PRIMA

Preparare un permesso di lavoro a caldo se l'intervento fuori dall'officina di macchine. Assicurarsi che i mezzi antincendio fissi e portatili sono pronti all'uso. Assicurarsi che l'area di lavoro sia sgombra da oli, stracci, grasso o altri materiali infiammabili. Tutti i cavi sono progettati e installati in buone condizioni, che non siano strazati dentro le parti, che siano lontani da bordi taglienti e da superfici calde e che non siano elettrodi montati nella pila.

DURANTE

Il soldatore deve indossare appropriati dispositivi di protezione individuale quali: scopa di sicurezza per saldatori, guanti protettivi per saldatori, casco, occhiali, maschere protettiva da soldatore, grembiule da soldatore. La zona deve essere opportunamente ventilata per rimuovere i gas. Il personale presente deve essere ridotto al minimo indispensabile. Eventuali assistenti devono proteggersi gli occhi opportunamente. Una persona deve assistere ad interventi scoprendo il cavo della pila in caso di dubbi o pericoli. Saldatura in posizione sospesa o in spazi chiusi devono essere evitate per quanto possibile. Le operazioni di saldatura in caso di superfici accessivamente umide devono essere evitate.

DOPO

Rimuovere l'elettrodo. Spegnere la macchina saldatrice e rasattare l'equipaggiamento usato. Identificare opportunamente e per il tempo necessario le zone che presentano rischio di scottature/ustioni. Ispezionare regolarmente per almeno sei ore dopo aver completato le operazioni. Ripetere gli equipaggiamenti di sicurezza usati e rasattare lo zona operativa come necessario.

BEFORE

Issue a hot work permit if the work is going to be done outside engine room workshop. Ensure that portable and fixed fire fighting equipment is ready for use. Ensure that working area is free from oil, grease, rags or other inflammable materials. Before switching on the power ensure that all electrical cables are duly connected, that their insulation is in good condition, and that they are not spliced between doors, that they are neither close to sharp edges nor near hot surfaces. And that there is no electrode in the holder.

WELDING

Welder must wear appropriate protective clothing, insulated shoes, welders gloves, helmet, eye/face protection, apron. The area must be properly ventilated to remove gases. Personnel present should be kept to a minimum. Other workers should be properly shielded from the arc. An assistant must attend the welder in particular he must disconnect the cable should there be any doubt or if anything abnormal is happening. Welding aloft or in confined spaces must be avoided as far as possible. Welding in case of humidity, wet surfaces ect. is not recommended.

AFTER

Remove electrode from the holder. Switch off power and store all welding equipment properly. Ensure that there are no glowing particles. Hot surfaces that can cause burns or scalding must be cooled off until they have cooled down. Inspect regularly for at least six hours after having completed operations. Store properly all safety equipment and clean the operational area.

CA 2074
self adhesive
size 48 x 33 cm

PILOT CARD

RES. A. 601(15)

Ship's name _____ Call sign _____ Year built _____ Date _____

Draught aft _____ m/v _____ R _____ In _____ Forward _____ m/v _____ R _____ In _____ Deadweight _____ tonnes Displacement _____ tonnes

SHIP'S PARTICULARS				STEERING PARTICULARS			
Length overall _____ m	Anchor chain _____ shackles	Starboard _____ shackles	Port _____ shackles	Type of rudder _____	Maximum angle _____		
Breastline _____ m	Bulbous bow _____ Yes / No	Stern _____ shackles	(1 shackle = _____ m/v _____ fathoms)	Hard-over to hard-over _____ s			
				Thrust: Bow _____ KW (HP)	Stern _____ KW (HP)		
				ANCHORS READY			
Type of engine _____ kW (_____ HP) Type of propeller _____ Engine order _____ Rpm/pitch _____ Speed (knots) _____ Full ahead _____ Half ahead _____ Slow ahead _____ Dead slow ahead _____ Dead slow astern _____ Slow astern _____ Half astern _____ Full astern _____				Rudder indicator _____ Rpm / pitch indicator _____ Radar _____ 10cm _____ AIS/AR _____ Speed Log _____ Water speed _____ Ground speed _____ Dual-axis _____ Engine stop _____ VHF _____ Elec. pos. fix. system _____ Type _____			
INFORMATION _____ _____ _____							

CA 2094
Rigid PVC
size 45 x 33 cm

WHEELHOUSE POSTER

sheet 1 of 2

MAN OVERBOARD PROCEDURE
 1. Call a lifeline 2. Give the helm order 3. Heave to the stern 4. Keep a log entry
 Recommended turn _____

SHIP'S NAME _____

PERFORMANCE MAY DIFFER FROM THIS RECORD DUE TO ENVIRONMENTAL, HULL AND LOADING CONDITIONS

Date _____

STEERING PARTICULARS		DRAUGHT AT WHICH THE MANEUVERING DATA WERE OBTAINED		ANCHOR CHAIN	
Type of rudder _____	Maximum rudder angle _____	LOADED	ALLAST	Port _____ shackles	Max. rate of heaving (m/v/shackles)
Time hard-over to hard-over with one power unit _____	with two power units _____	Trials/Estimated _____	Trials/Estimated _____	Starboard _____	
Minimum speed to maintain course propeller stopped _____ knots	Rudder angle for neutral effect _____	in forward _____ m aft _____	in forward _____ m aft _____	Stern _____	(1 shackle = _____ m/v _____ fathoms)
PROPULSION PARTICULARS		DRAUGHT INCREASE (LOADED)			
Type of engine _____ kW (_____ HP) Type of propeller _____	Engine order _____ Rpm/pitch _____	Under load clearance _____ m	Estimated Squat Effect _____ (m)	Head angle (degrees) _____	Draft increase (m) _____
Full ahead _____	Half ahead _____	_____ m	_____	_____	_____
Slow ahead _____	Dead slow ahead _____	_____ m	_____	_____	_____
Dead slow astern _____	Slow astern _____	_____ m	_____	_____	_____
Half astern _____	Full astern _____	_____ m	_____	_____	_____
_____	_____	_____ m	_____	_____	_____
THRUSTER EFFECT at trial conditions					
Thruster _____ kW (HP)	Time delay (for full thrust) _____ s	Turning rate at zero speed _____	Time delay to reverse full effect _____	Not effective above speed _____ knots	
Star _____	_____ s	_____	_____	_____ knots	
Stern _____	_____ s	_____	_____	_____ knots	
Combined _____	_____ s	_____	_____	_____ knots	

CA 2093
Rigid PVC
size 48 x 33 cm (Composing two sheets)

WILLIAMSON TURN

Standard Williamson Turn to port

Vessel continues turn until steady on reciprocal course

When vessel 60° off original course wheel is put hard over in opposite direction.

Man overboard, Vessel turns wheel hard-over to appropriate side.

Extent of lateral shift _____ n miles

Lateral transfer _____ n miles

Standard Williamson Turn to starboard

Vessel continues turn until steady on reciprocal course

When vessel reaches 60° off original course wheel is put hard over in opposite direction.

Man overboard, Vessel turns wheel hard-over to appropriate side.

Extent of lateral shift _____ n miles

Lateral transfer _____ n miles

Performance may differ from these records due to environmental, hull and loading conditions

CA 2095
Rigid PVC
size 45 x 33 cm (Composing two sheets)

Informative Posters

Fire Extinguisher Types
Popular types of fire extinguishers and types of fire to which they are suited

WATER
OK Wood, paper and textile fires.
NO Electrical, burning liquids or flammable metal fires.

FOAM SPRAY
OK Wood, paper, textile and flammable liquid fires.
NO Electrical or flammable metal fires.

POWDER
OK All risks, including flammable liquid and gas fires.
NO Flammable metal fires.

CARBON DIOXIDE
OK Electrical and flammable liquid fires.
NO Flammable metal fires.

FIRE BLANKET
OK Smothering fire. Suitable for chip pans or deep fat fires, waste bin fires or for wrapping around someone whose clothes are burning.

Extinguishers marked thus * comply to EN3 which requires all extinguishers to be red with an identifying zone of colour no greater than 5% of the area of the extinguisher body.

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CA 2070
Self adhesive
size 33 x 24 cm

Hazchem Sign Guide
Transportation

3ME 1294
2W 1910
1830
1230

Emergency Action Code Interpretation

Water reactivity: W, W+
Explosive: E, E+, E++
Flammable: F, F+, F++
Corrosive: C, C+, C++
Toxic: T, T+, T++
Infectious: I, I+, I++
Hazardous to the environment: N, N+, N++
Other: O, O+, O++

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CA 1164
Self adhesive vinyl
size 20 x 30 cm

Hazardous Substance Symbols

Flammable
Explosive
Highly Flammable
Oxidizing
Corrosive
Toxic
Infectious
Hazardous to the environment
Other

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CA 1165
Self adhesive vinyl
size 20 x 30 cm

Hazard Diamonds For the Carriage of dangerous Goods

Explosion risk, Flammable Gas, Flammable Gas, Non-flammable non-toxic gas, Non-flammable toxic gas, Toxic gas, Flammable liquid, Flammable liquid, Flammable solid, Spontaneously combustible substance, Substance which in contact with water emits flammable gas, Substance which in contact with water emits flammable gas, Toxic substance, Infectious substance, Oxidizing substance, Organic peroxide, Organic peroxide, Radioactive category I, Radioactive category II, Radioactive category III, Corrosive substance, Other dangerous substance, Marine pollutant, Elevated temperature, EXCEPTED QUANTITIES MARK, Orientation mark, Orientation mark

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CA 1101
Self adhesive vinyl
size 48 x 33 cm

Informative Posters

IMO Fire Control Symbols

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CA 2075
self adhesive
size 48 x 33 cm

IMO Fire Control Symbols

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CA 2078
Laminated self adhesive paper
size 40 x 30 cm

Pipe Identification

In Accordance with ISO 14726

WASTE MEDIA, FRESH WATER, SEA WATER, FUEL, NON-FLAMMABLE GASES, FLAMMABLE GASES, CODE / COLOURS, INSTALLATION

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CA 2077
Laminated self adhesive paper
size 40 x 30 cm

Informative Posters

IMO Safety Signs

IMO safety signs and their various meanings

Qualifications to IMO Safety Signs

- Designation of a hazard
- Designation of a prohibition
- Designation of a mandatory action
- Designation of a safety sign
- Designation of a fire fighting equipment
- Designation of a fire alarm
- Designation of a fire extinguisher
- Designation of a fire alarm
- Designation of a fire extinguisher

An ISM Code Safety Poster

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CA 2036
self adhesive
size 48 x 33 cm

Light, Shape Signals

International communication signals

Rule & Visual	Port	Starboard	Ahead	Shape
Rule 23 Power-driven vessels at anchor	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 24 Tug when underway	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 25 Sailing vessels at anchor	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 26 Sailing vessels underway	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 27 Vessels with restricted manoeuvrability	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 28 Vessels with limited draught	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 29 Vessels with restricted manoeuvrability	[Red light]	[Green light]	[Red light]	[Red ball]
Rule 30 Vessels with restricted manoeuvrability	[Red light]	[Green light]	[Red light]	[Red ball]
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An ISM Code Safety Poster

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self adhesive
size 48 x 33 cm

Know your signs

Meanings, colours and examples of graphics used for signage

Prohibitory signs, meaning:

- Stop
- Not Allowed
- What or who is forbidden

Safety signs, meaning:

- Safe condition
- First aid
- Safety Equipment
- Means of escape

Mandatory signs, meaning:

- You are required to carry out/obey an action

Hazard signs, meaning:

- Nature of danger and/or caution

Prohibitory signs, meaning:

- Location and type of fire fighting equipment

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Health, Safety & Environmental Posters

Drowning & Hypothermia

Vital actions on discovery of a drowning hypothermic casualty

Drowning

The casualty should be recovered from the water as quickly as possible and the Basic Life Support (BLS) resuscitation started immediately. However if you are unable to get to safety immediately it is important to give Cardiopulmonary Resuscitation (CPR) to the victim whilst awaiting rescue.

Hypothermia

Hypothermia should always be suspected on anyone rescued at sea. Whether they have been immersed or are in survival craft.

Basic Life Support (BLS) (CoSIRA 2005)

Shout for help - remove from danger if able to do so

A Check Response

Check for responsiveness. Gently shake and shout "ARE YOU ALRIGHT?". If no response, shout for help and call for assistance.

B Open the airway

Place the casualty on their back. Tilt the head back and lift the chin. If the casualty is wearing a cervical collar, remove it. If the casualty is wearing a neck brace, remove it. If the casualty is wearing a neck brace, remove it.

C Check breathing

Look for chest rise and fall. Listen for breath sounds. Feel for breath on your cheek. If the casualty is not breathing, start breathing for them. If the casualty is breathing, turn them on their side.

D Start breathing for them

Use a pocket mask or a resuscitator. If you do not have one, use your mouth. Breathe into the casualty's mouth for 1 second. Watch for chest rise. If the casualty is not breathing, start breathing for them.

E Check pulse

Feel for a pulse at the carotid artery. If the casualty has a pulse, turn them on their side. If the casualty does not have a pulse, start CPR. If the casualty has a pulse, turn them on their side.

F Hypothermia

Remove the casualty from the water. Wrap them in a thermal blanket or a dry blanket. If you do not have a blanket, use a tarp or a plastic sheet. If the casualty is wearing a wet jacket, remove it. If the casualty is wearing a wet jacket, remove it.

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Electric Shock, Drowning or Serious Injury

Vital actions on discovery of an electric shock, drowning or serious injury casualty

Electric Shock

Generally the severity of injury from electric shock is related to the voltage. The higher the voltage the more severe the burning of entry and exit points and the greater the damage to internal organs along the current's path. Even relatively low voltage can cause the heart to flutter or stop, which can cause breathing and stop. Lightning may cause slight and skin at all the casualty.

Drowning

A casualty should be recovered from the water as quickly as possible and the resuscitation procedure shown below, started immediately. If the casualty is not breathing, start breathing for them. If the casualty is breathing, turn them on their side.

Serious Injury

The most common cause of serious injury are generally falls or falling objects, or entrapment in moving machinery. DO NOT attempt to assist the casualty until machinery has been stopped and all other sources of danger have been removed. If the casualty is not breathing, start breathing for them. If the casualty is breathing, turn them on their side.

The ABC of resuscitation-Airway-Breathing-Circulation

Shout for help - remove from danger

A Check Response

Check for responsiveness. Gently shake and shout "ARE YOU ALRIGHT?". If no response, shout for help and call for assistance.

B Open the airway

Place the casualty on their back. Tilt the head back and lift the chin. If the casualty is wearing a cervical collar, remove it. If the casualty is wearing a neck brace, remove it. If the casualty is wearing a neck brace, remove it.

C Check breathing

Look for chest rise and fall. Listen for breath sounds. Feel for breath on your cheek. If the casualty is not breathing, start breathing for them. If the casualty is breathing, turn them on their side.

D Start breathing for them

Use a pocket mask or a resuscitator. If you do not have one, use your mouth. Breathe into the casualty's mouth for 1 second. Watch for chest rise. If the casualty is not breathing, start breathing for them.

E Check pulse

Feel for a pulse at the carotid artery. If the casualty has a pulse, turn them on their side. If the casualty does not have a pulse, start CPR. If the casualty has a pulse, turn them on their side.

F Hypothermia

Remove the casualty from the water. Wrap them in a thermal blanket or a dry blanket. If you do not have a blanket, use a tarp or a plastic sheet. If the casualty is wearing a wet jacket, remove it. If the casualty is wearing a wet jacket, remove it.

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Personal Protective Equipment

Choosing the correct equipment for your safety

Hearing Protection

Protects from low level sound energy available in many workplaces and also from higher sound energy. It is important to choose the right type of hearing protection for the noise level in the workplace. If the noise level is high, use earplugs or earmuffs. If the noise level is low, use earplugs or earmuffs.

Eye Protection

Protects from low energy projectiles such as dust or dirt. High energy projectiles such as flying objects or molten metal require more protection. Choose the right type of eye protection for the hazard in the workplace. If the hazard is high, use safety glasses or goggles. If the hazard is low, use safety glasses or goggles.

Skin Protection

Protects from contact with irritants and corrosives. Choose the right type of skin protection for the hazard in the workplace. If the hazard is high, use gloves or protective clothing. If the hazard is low, use gloves or protective clothing.

Hand Protection

Protects from contact with irritants and corrosives. Choose the right type of hand protection for the hazard in the workplace. If the hazard is high, use gloves or protective clothing. If the hazard is low, use gloves or protective clothing.

Specialised Equipment

Protects from falling objects, swinging loads and fire, but also from other hazards. Choose the right type of specialised equipment for the hazard in the workplace. If the hazard is high, use specialised equipment. If the hazard is low, use specialised equipment.

Foot Protection

Protects from falling objects, swinging loads and fire, but also from other hazards. Choose the right type of foot protection for the hazard in the workplace. If the hazard is high, use safety shoes or boots. If the hazard is low, use safety shoes or boots.

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Health, Safety & Environmental Posters

Precautions Against Piracy

International Ship and Port Facility Security code Chapt. XI-2 SOLAS

- Research**
 - Refer to flag state guidance notes (e.g. UK, IMO 2015)
 - "Cerber" with local shipping agent
 - Refer to IMO guidance notes (MSC/Circ.1324)
 - Refer to ship's counter piracy plan
 - Refer to International Maritime Bureau piracy map
 - Consider varying operational security parameters
 - Investigate possibility of joining convoy
- Planning**
 - Review ship's security plan
 - Inform crew
 - Assign responsibilities
 - Consider alternative routes
 - Avoid bilateral exchange
 - Prepare additional duties roster
 - Training
 - Action taken if boarded
- Implementing precautions**
 - Speeds adjusted
 - Course locked
 - Radio discipline
 - Heightened security
 - Anchor side watch on
- Bridge communications**
 - Line up reply
 - Secure email loggers on parallel courses
 - Use night vision binoculars or cameras
 - Check all communications
 - Locate and be familiar with all equipment, especially ISC radar and Ship Security Alert System
- Deck security**
 - Keep good lookout
 - Use of man-overboard
 - Unlocked visible deck points
 - Effective communications
 - Change heave
 - Down locked escape route ramps
- Action if boarded**
 - If attackers approach, all alarms to be sounded
 - If attacked and violence ensues, avoid and notify ship's officer
 - Consider retreat to prepared place of safety (Ditch)
 - Notify Maritime Security Centre (MSC) via satellite
 - Have escape plan to LSA and the lifeboats

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Shipboard Food Hygiene

Recommended procedures for health and safety in pantries, galleys and freezers






- Health and hygiene**
 - Hands and fingernails must be kept clean at all times using hot water and bactericidal soap
 - Washing the face, hair and neck
 - Wearing the following or equivalent eye, hair and respiratory protection:
 - Cap, hair and beard net and face covering with a safety harness
 - Approved respiratory protection
 - All clothing to be replaced immediately if soiled or damaged
 - Approved footwear at all times
 - No smoking, eating or drinking in food handling areas
 - Close quarters and all food handling must be kept free of items for animal or bird and handling must be not enough to cause contamination
- Food preparation**
 - Do not use the same table, chopping board or preparation surface for raw meat, fish, seafood, fresh vegetables and fruit
 - Never use cracked or broken vessels
 - Use appropriate cleaning agents in accordance with manufacturer's instructions and never dilute. Refer to the label for correct use with food.
 - All foods must be thoroughly cooked to a safe internal temperature
 - Separate storage compartments must be used for raw and cooked foods
 - Do not handle food unnecessarily
 - Food must be cooled rapidly
 - Do not store food unnecessarily
- Galley and pantry equipment**
 - Remove any food that is being eaten or stored in deep fryers, quantity of oil or gas heat
 - Always ensure that the fryer is clean and free of oil
 - Remove grease must be used in rough weather
 - Remove grease must be used in accordance with manufacturer's instructions
 - Check the expiry date and use only for the intended purpose
 - Always use the correct amount of oil or gas
 - Always use the correct amount of gas
 - Always use the correct amount of gas
 - Always use the correct amount of gas
- Temperature control**
 - Always use the refrigerator in accordance with the manufacturer's instructions
 - Keep the thermometer in the correct part of the fridge and check regularly that the thermometer is correct (IPC and PC 2015 and 2016)
 - Do not store food in the freezer
 - Do not store food in the freezer
 - Do not store food in the freezer
 - Do not store food in the freezer
- Slips, falls and trip hazards**
 - Wipe up any liquid spillage immediately
 - Wipe up any liquid spillage immediately
 - Wipe up any liquid spillage immediately
 - Wipe up any liquid spillage immediately
 - Wipe up any liquid spillage immediately
- Refrigeration, freezer and air conditioning**
 - All doors must be fitted with both a means of opening and closing
 - Do not use the refrigerator in accordance with the manufacturer's instructions
 - Do not use the refrigerator in accordance with the manufacturer's instructions
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 - Do not use the refrigerator in accordance with the manufacturer's instructions

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VIETI DI DISCARICA IN MARE DI OLIO

DISCHARGE OF OIL PROHIBITED

IL FEDERAL WATER POLLUTION CONTROL ACT PROIBISCE LA DISCARICA DI OLIO O RESIDUI OLEOSI NELLE ACQUE NAVIGABILI DEGLI STATI UNITI O NELLE ZONE CONTIGUE; QUANDO TALE DISCARICA PROVOCA UNA PELLICOLA OLEOSA O IRRIDISCENZA SULLA SUPERFICIE DELL'ACQUA O UNA MORCHIA O EMULSIONE SOTTO LA SUPERFICIE DELL'ACQUA, LE VIOLAZIONI SARANNO PERSEGUITE CON SANZIONI AMMINISTRATIVE E PENALI CHE POSSONO ARRIVARE FINO ALL'ARRESTO.

IL COMANDANTE O L'UFFICIALE DI GUARDIA O IL RESPONSABILE DEL TERMINALE DOVRÀ SEGNALARE IMMEDIATAMENTE QUALSIASI SPANDIMENTO DI OLIO O DI SOSTANZE PERICOLOSE AL "NATIONAL RESPONSE CENTER" AL SEGUENTE NUMERO:

(800) 424-8802

THE FEDERAL WATER POLLUTION CONTROL ACT PROHIBITS THE DISCHARGE OF OIL OR OILY WASTE INTO OR UPON THE NAVIGABLE WATERS OF THE UNITED STATES OR THE WATERS OF CONTIGUOUS ZONE, IF SUCH A DISCHARGE CAUSES A FILM OR SHEEN UPON OR A DISCOLORATION OF THE SURFACE OF THE WATER OR CAUSES A SLUDGE OR EMULSION BENEATH THE SURFACE OF THE WATER. VIOLATORS ARE SUBJECT TO SUBSTANTIAL CIVIL AND CRIMINAL PENALTIES INCLUDING IMPRISONMENT.



MASTER OR OFFICER IN CHARGE OR TERMINAL REPRESENTATIVE MUST IMMEDIATELY REPORT ANY DISCHARGE OF OIL OR HAZARDOUS SUBSTANCE TO THE NATIONAL RESPONSE CENTER TOLL FREE AT

(800) 424-8802

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size 48 x 33 cm

LIFE - SAVING SIGNALS AND RESCUE METHODS

- Signals to be employed in connection with the use of small boats with crew or persons on board**

MANUAL SIGNALS	LIGHT SIGNALS	OTHER SIGNALS	SIGNIFICATION
Three short blasts	Three short flashes	Three short blasts	Manoeuvring vessel
Three long blasts	Three long flashes	Three long blasts	Manoeuvring vessel
One long blast	One long flash	One long blast	Manoeuvring vessel
- Signals to be employed in connection with the use of shore landing operations**

MANUAL SIGNALS	LIGHT SIGNALS	OTHER SIGNALS	SIGNIFICATION
Three short blasts	Three short flashes	Three short blasts	Manoeuvring vessel
Three long blasts	Three long flashes	Three long blasts	Manoeuvring vessel
One long blast	One long flash	One long blast	Manoeuvring vessel
- Signals to be employed in connection with the use of shore landing operations**

MANUAL SIGNALS	LIGHT SIGNALS	OTHER SIGNALS	SIGNIFICATION
Three short blasts	Three short flashes	Three short blasts	Manoeuvring vessel
Three long blasts	Three long flashes	Three long blasts	Manoeuvring vessel
One long blast	One long flash	One long blast	Manoeuvring vessel
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MANUAL SIGNALS	LIGHT SIGNALS	OTHER SIGNALS	SIGNIFICATION
Three short blasts	Three short flashes	Three short blasts	Manoeuvring vessel
Three long blasts	Three long flashes	Three long blasts	Manoeuvring vessel
One long blast	One long flash	One long blast	Manoeuvring vessel



HELICOPTER RESCUE OPERATION AT SEA

USE OF SHIP

CA 2017

CA 2017
Only in english - self adhesive
size 48 x 60 cm

LIFE - SAVING SIGNALS AND RESCUE METHODS

- Signals to be employed in connection with the use of small boats with crew or persons on board**

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MANUAL SIGNALS	LIGHT SIGNALS	OTHER SIGNALS	SIGNIFICATION
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Three long blasts	Three long flashes	Three long blasts	Manoeuvring vessel
One long blast	One long flash	One long blast	Manoeuvring vessel

HELICOPTER RESCUE OPERATION AT SEA



USE OF SHIP

CA 2017

CA 2017
Before in english - Behind in Italian - Plastic laminated card
size 48 x 60 cm

LIFE - SAVING SIGNALS

Signaling signals to be employed in connection with the use of small boats with crew or persons on board

MANUAL SIGNALS	LIGHT SIGNALS	OTHER SIGNALS	SIGNIFICATION
Three short blasts	Three short flashes	Three short blasts	Manoeuvring vessel
Three long blasts	Three long flashes	Three long blasts	Manoeuvring vessel
One long blast	One long flash	One long blast	Manoeuvring vessel

HELICOPTER RESCUE OPERATION AT SEA

USE OF SHIP

CA 2017

CA 2017
Before in english - Behind in Italian
Plastic laminated card - size 20 x 30 cm

Health, Safety & Environmental Posters

First Aid Burns and scalds

- 1 Immediately immerse the affected part in cold water, hold it under cold running water, or place cold wet cloths on it for 5-10 minutes depending on the severity of the burn.
- 2 Remove any restricting items of clothing or jewellery, eg, shoes, belts, watches, rings etc. where there is inflammation or swelling.
- 3 Cover wound with dry, sterile bandage.
- 4 If the burn is serious send victim to hospital.

NEAREST FIRST AID
FIRST AIDER

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self adhesive
size 20 x 30 cm

First Aid Cuts and Abrasions

CUTS

- 1 Clean the affected area thoroughly using soap and warm water.
- 2 Carefully wash away any dirt or foreign materials.
- 3 Apply pressure to wound until bleeding stops.
- 4 Cover wound with dry, sterile bandage.
- 5 If the cut is deep, seek further medical attention.

ABRASIONS

- 1 Clean the affected area thoroughly using soap and warm water.
- 2 Carefully wash away any dirt or foreign materials.
- 3 If it bleeds or oozes, bandage it to protect it from infection

NEAREST FIRST AID
FIRST AIDER

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CA 2081
self adhesive
size 20 x 30 cm

First Aid Fractures

A SIMPLE FRACTURE or "CLOSED" fracture is where there is a broken bone beneath the skin. If not treated properly, it could become a compound fracture.

A COMPOUND FRACTURE or "OPEN" fracture pierces through the skin. Bleeding may occur. DO NOT apply pressure to a compound fracture to stop the bleeding.

A SIMPLE FRACTURE

1. Do not move the person unless necessary.
2. Keep person warm and comfortable.
3. Check affected area for swelling and discolouration of skin.
4. Do not move limb, stabilise with blanket or pillows.
5. Seek medical help immediately or send person to hospital.

COMPOUND FRACTURE

1. Do not move the person unless necessary.
2. Do not allow person to eat or drink.
3. Ensure person is breathing properly.
4. Stop bleeding and treat person if unconscious.
5. Keep person warm and comfortable.
6. Cover the injured part with a sterile pad.
7. Apply a splint to keep the bone from causing further damage to immediate tissues:

ARM - Bandage injured arm to body, with a sling.
LEG - Bandage injured leg to uninjured one.

8. Seek medical help immediately or send person to hospital.

NEAREST FIRST AID
FIRST AIDER

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CA 2082
self adhesive
size 20 x 30 cm

WARNING

DRUGS ALCOHOL USE

The Use or Possession of Drugs, Alcohol or illegal Substances is Strictly Forbidden on board this Vessel.

The Owners of this Vessel will cooperate fully with the Coast Guard, Police, or other public authorities in the prosecution of any person using, possessing or being under the influence of Drugs, Alcohol or illegal Substances on board.

YOU HAVE BEEN WARNED!!

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CA 2065
self adhesive
size 20 x 30 cm

WARNING

DRUG NOTICE

The owners of this vessel will cooperate fully with public authorities in the criminal prosecution of anyone using or possessing illegal drugs or drug paraphernalia aboard this vessel.

YOU HAVE BEEN WARNED!!

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CA 2066
self adhesive
size 20 x 30 cm

WARNING

DRUG USE AND DRUG TRAFFICKING ARE UNLAWFUL AND SEVERELY PUNISHABLE BY LAW

1. Do not use drugs.
2. Do not traffic drugs - Say NO drug abuse and smuggling for it could only bring disaster upon you and your family.
3. If you are found guilty of drug smuggling or drug abuse, your contract of employment will immediately be terminated.
4. If you are charged by the authorities with smuggling, you will be responsible for your own defense costs.
5. If you are found guilty of smuggling and sentenced to a prison term, the company will not have any further responsibility toward you.
6. Mere knowledge of smuggling can be punishable as severely as that of drug smuggling itself, unless you voluntarily tell the authorities what you know.

YOU HAVE BEEN WARNED!!

© 2000 C.A.I.M. Genova ITALY CA 2067

CA 2067
self adhesive
size 20 x 30 cm

PREVENT OIL POLLUTION / **PREVENI L'INQUINAMENTO DA OLI**

The International Convention for the Prevention of Pollution from Ships (MARPOL) has been adopted by the International Maritime Organization (IMO) to prevent oil pollution from ships. It is the primary of measures to combat oil pollution and requires that all oil tankers and other oil-carrying vessels comply with its provisions. MARPOL is the acronym for MARINE POLLUTION PREVENTION.

1. KNOW YOUR OIL AND ALL EQUIPMENT ON BOARD / 1. CONOSCETE IL VOSTRO OIL E TUTTO L'EQUIPAGGIAMENTO A BORDO / 2. OIL IS NOT TO BE USED FOR UNLAWFUL PURPOSES / 2. L'OIL NON DEVE ESSERE USATO PER SCOPI ILLECITI / 3. OIL MUST BE STORED IN THE OIL TANKS / 3. L'OIL DEVE ESSERE IMMAGAZZINATO NEI TANGORILI / 4. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 4. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 5. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 5. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 6. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 6. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI

1. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 1. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 2. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 2. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 3. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 3. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 4. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 4. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 5. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 5. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI / 6. OIL MUST BE USED IN ACCORDANCE WITH THE OIL TANKER CODE / 6. L'OIL DEVE ESSERE USATO IN ACCORDO CON IL CODICE DEI TANGORILI

© 2000 C.A.I.M. Genova ITALY CA 2047

CA 2047
self adhesive
size 23 x 33 cm

Health, Safety & Environmental Posters

Lifeboat Launching in a dangerous Atmosphere
 Procedure for launching an enclosed lifeboat in a dangerous atmosphere
Lancio della Lancia di Salvataggio in condizioni di pericolo
 Procedura di lancio di Lancia chiusa in condizioni di pericolo

- Check direction to safe area**
 Controllare la direzione verso l'area sicura
- Make ready**
 Muoversi in modo da lasciare lo spazio necessario per il lancio. Assicurarsi che tutti i componenti siano pronti per il lancio.
- Start air supply for passengers and engine**
 Aprire il rubinetto dell'aria per i passeggeri e il motore.
- Launch & start engine**
 Lanciare la lancia e avviare il motore.
- Head for safety**
 Muoversi verso l'area sicura.
- Important information**
 Informazioni importanti.

An ISM Code Safety Poster
 © 2005 C.A.I.M. Genova ITALY CA 2005

CA 2005
 English // Italian
 self adhesive - size 48 x 33 cm

Fully Enclosed Lifeboat Launching from Stowed Position
 Procedure for launching, SOLAS chapter II, regulation 28
Ammissione della Lancia Chiusa da Posizione Stoccata
 Procedura di ammissione di Lancia chiusa da posizione stoccata

- Initial preparations**
 Preparazioni iniziali.
- Launch actions**
 Azioni di lancio.
- Lower to water**
 Abbassare a bordo.
- Entering water**
 Entrata in acqua.
- Letting go**
 Rilascio.
- Final actions**
 Azioni finali.

An ISM Code Safety Poster
 © 2015 C.A.I.M. Genova ITALY CA 2015

CA 2004
 English // Italian
 self adhesive - size 48 x 33 cm

Liferaft Launching Procedure Via Overboard Throwing
 Istruzioni operative per zattera lanciabile

- RELEASE THE RELEASE DEVICE BY PRESSING THE RED BUTTON ON THE RELEASE UNIT**
- THE OTHER PERSONS MUST BE IN THE READY POSITION**
- PULL THE RELEASE LINE TO THE STRAP ATTACHED TO THE RELEASE UNIT**
- COME DOWN TO THE DECK**
- IF THE LIFERAFT HAS LIFTED UP, HOLD IT DOWN**
- USE THE OVERBOARD RELEASE OF THE LIFERAFT TO CONTROL POSITIONING AND TO RELEASE THE LIFERAFT**
- KEEP THE SHIP AND RECEIVE ALL THE REMAINING SURVIVORS**
- REPEAT THE PROCEDURE FOR THE LIFERAFT IF AVAILABLE**

© 2014 C.A.I.M. Genova ITALY CA 2004

CA 2004
 English // Italian
 self adhesive - size 48 x 33 cm

DIVIETO DI DISCARICA IN MARE DI OLII
DISCHARGE OF OIL PROHIBITED

IL FEDERAL WATER POLLUTION CONTROL ACT PROIBISCE LA DISCARICA DI OLIO O RESIDUI OLEOSI NELLE ACQUE NAVIGABILI DEGLI STATI UNITI O NELLE ZONE CONTIGUE, QUANDO TALE DISCARICA PROVOKA UNA PELLICOLA OLEOSA O IRRIDESCENZA SULLA SUPERFICIE DELL'ACQUA O UNA MORMIA O EMULSIONE SOTTO LA SUPERFICIE DELL'ACQUA. LE VIOLAZIONI SARANNO PERSEGUITE CON SANZIONI AMMINISTRATIVE E PENALI CHE POSSONO ARRIVARE FINO ALL'ARRESTO.

IL COMANDANTE O L'UFFICIALE DI GUARDIA O IL RESPONSABILE DEL FEMMINALE DOVRA' SEGNALARE IMMEDIATAMENTE QUALSIASI SPANDIMENTO DI OLIO O DI SOSTANZE PERICOLOSE AL "NATIONAL RESPONSE CENTER" AL SEGUENTE NUMERO:
(800) 424-8802

THE FEDERAL WATER POLLUTION CONTROL ACT PROHIBITS THE DISCHARGE OF OIL OR OILY WASTE INTO OR UPON THE NAVIGABLE WATERS OF THE UNITED STATES OR THE WATERS OF CONTIGUOUS ZONE, IF SUCH A DISCHARGE CAUSES A FILM OR SHEEN UPON OR A DISCOLORATION OF THE SURFACE OF THE WATER OR CAUSES A SLUDGE OR EMULSION BENEATH THE SURFACE OF THE WATER. VIOLATORS ARE SUBJECT TO SUBSTANTIAL CIVIL AND CRIMINAL PENALTIES INCLUDING IMPRISONMENT.

MASTER OR OFFICER IN CHARGE OR TERMINAL REPRESENTATIVE MUST IMMEDIATELY REPORT ANY DISCHARGE OF OIL OR HAZARDOUS SUBSTANCE TO THE NATIONAL RESPONSE CENTER TOLL FREE AT
(800) 424-8802

© 2005 C.A.I.M. Genova ITALY CA 2005

CA 2052
 English // Italian
 self adhesive - size 48 x 33 cm

SEGNALI DI EMERGENZA

EMERGENZA GENERALE
 SETTE O PIU' FISCHI BREVI SEGUITI DA UNO LUNGO

INCENDIO GRAVE
 DUE FISCHI LUNGHII SEGUITI DA SUONO CONTINUO DI CAMPANELLI

UOMO A MARE
 UN FISCHIO LUNGO

ABBANDONO NAVE
 SEGNALI SONORI PROLUNGATI CON TUTTI I MEZZI DISPONIBILI

EMERGENCY SIGNALS

GENERAL EMERGENCY
 SEVEN OR MORE SHORT BLASTS FOLLOWED BY ONE LONG BLAST

FIRE ON BOARD
 TWO LONG BLASTS FOLLOWED BY CONTINUOUS SOUND OF BELL

MAN OVER BOARD
 ONE LONG BLAST

ABANDON SHIP
 PROLONGED SOUND SIGNALS WITH ALL DEVICES AVAILABLE

© 2005 C.A.I.M. Genova ITALY CA 2005

CA 2069
 English // Italian
 self adhesive - size 48 x 33 cm

HYDROSTATIC RELEASE UNIT
 correct fitting instructions

INSTALLATION

- Attach the Hydrostatic Release Unit with a shackle to a strong point on the deck or on the cabin.
- Attach the liferaft, lashing with a slip-hook or similar to the upper yellow triangle and firmly secure the liferaft.
- Fit a shackle to the Weak Link connector and connect the partner line to the shackle.

MANUAL RELEASE INSTRUCTION

In order to launch the liferaft manually, release the shackle (2) and throw the liferaft overboard. The liferaft is now attached to the vessel by the partner line via the Weak Link connector. Pull the partner line and inflate the liferaft in order to board.

MAINTENANCE

Periodically check the condition and connection of the Hydrostatic Release Unit (HRSU) as well as the shackle. The HRSU must be replaced over a specified time, based on Manufacturer instruction.

© 2005 C.A.I.M. Genova ITALY CA 2005

CA 2085
 Only English
 self adhesive - size 48 x 33 cm

IMMERSION SUIT
DONNING INSTRUCTIONS

- Remove suit from bag
- Pull on as you would a pair of coveralls
- Insert arm into and adjust hood over head
- Insert other arm and close zipper and face flap. Adjust wrist and ankle bands to fit
- Enter water feet first

IMPORTANT: the inherent buoyancy of an immersion suit may prevent escape from enclosed spaces. It is recommended that the suit be donned for use on a weather deck and not in the vessel's cabins

NOTE: children should have adult assistance when donning and using immersion suit

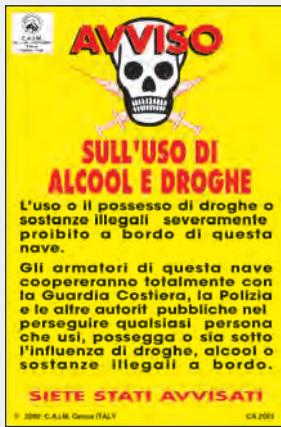
An ISM Code Safety Poster
 © 2014 C.A.I.M. Genova ITALY CA 2008

CA 2086
 Only English
 self adhesive size 48 x 33 cm

Italian Posters



CA 2064 self adhesive size 20 x 30 cm



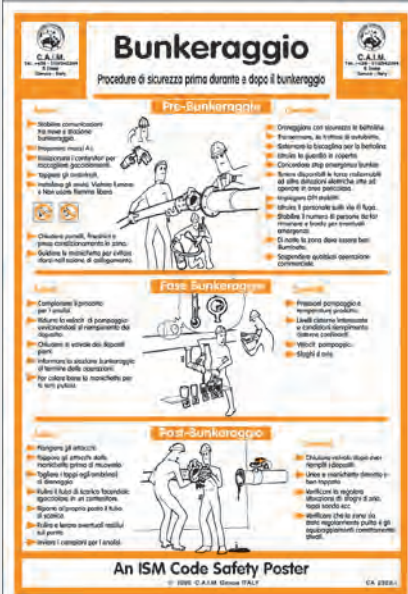
CA 2063 self adhesive size 20 x 30 cm



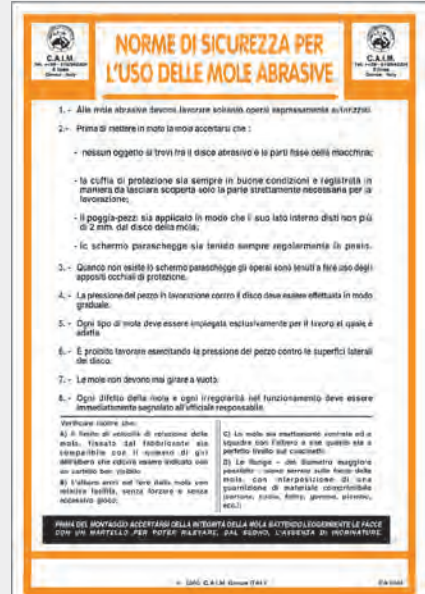
CA 2068 self adhesive size 30 x 20 cm



CA 2010 self adhesive size 48 x 33 cm



CA 2022 / I self adhesive size 48 x 33 cm



CA 2049 self adhesive size 48 x 33 cm

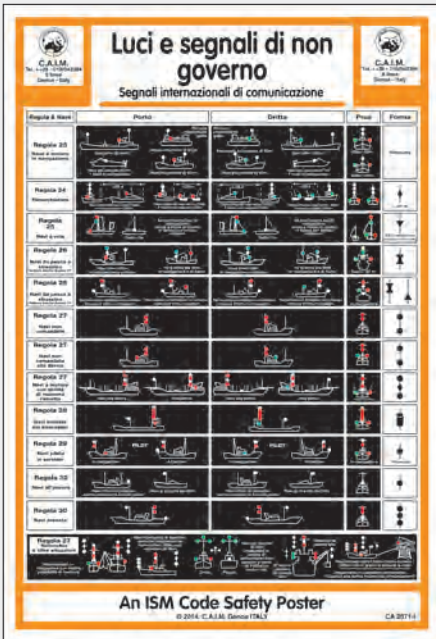


CA 2050 self adhesive size 48 x 33 cm

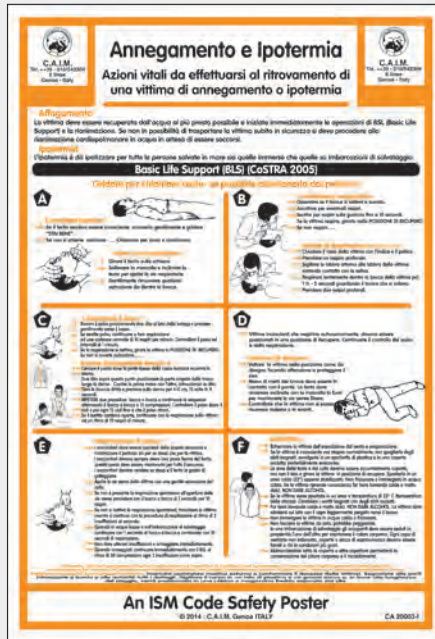


CA 2051 self adhesive size 48 x 33 cm

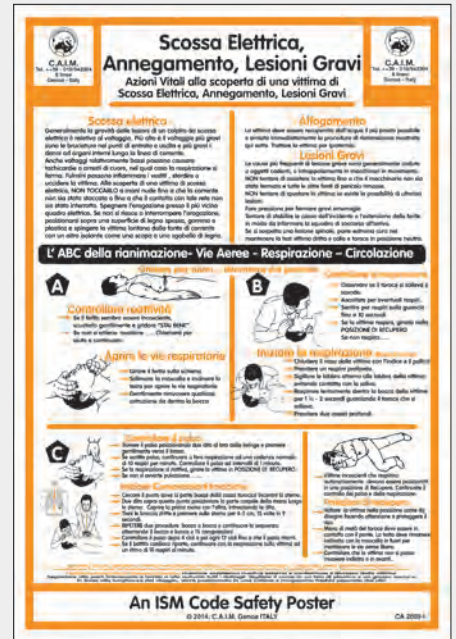
Italian Posters



CA 2071-I
self adhesive
size 48 x 33 cm



CA 20003-I
self adhesive
size 48 x 33 cm



CA 2009-I
self adhesive
size 48 x 33 cm



CA 2044-I
self adhesive
size 48 x 33 cm



CA 2028-I
self adhesive
size 48 x 33 cm

Fire Plan Holder



Includes red support with fire IMO symbol to be fixed

CA STPLAN

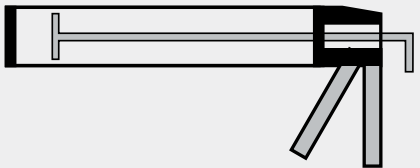
Sign Adhesive



A solvent based gunning adhesive offering the strongest fixing to all types of surface

CA 141414

Applicator for Sign Adhesive



Accept all standard size cartridges. (Adhesive not included)

CA 161616

Strong Biadhesive tape



For fixing signs to all surface, a solvent base self adhesive

CA 101010 25 mm x 50 mt (roll)

CA 202020 50 mm x 50 mt (roll)

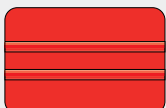
Double Sided Sticky Pads



For fixing signs to all surface. Acrylic adhesive pad offers a strong, permanent bond.
Self adhesive - Sold in sheets of 50

CA 050505

Tool



Tool for the affixation of Symbols

CA 181818

Plexiglass display for poster



Plexiglass panel 3 mm thick shield for Posters

CA 191919 500 x 350 mm

Exhibitor for wall



Wall stand with rounded angles
Aluminium contours click-clack type
Transparent protective film

CA LP5070 size 50 x 70 cm

CA LP70100 size 70 x 100 cm

Exhibitor to support



Support Stand with two aluminium boards
Two Aluminium boards with click-clack profiles
Two Transparent protective films

CA LC70100 size 70 x 100 cm

Informative exhibitor



Aluminium information panels.
Frames with click-clack support

CA IPSA4 size 21 x 29,7 cm

CA IPSA3 size 29,7 x 42 cm

	WARNING! UNAUTHORIZED PERSONS ARE NOT ALLOWED TO BOARD
	VISITORS ARE REQUIRED TO SHOW IDENTIFICATION
	VISITORS GAINING ACCESS ON BOARD ARE SUBJECT TO CONTROL
	ITEMS BEING HAND CARRIED ON BOARD ARE SUBJECT TO CONTROL
	WEAPONS, DRUGS, OR EXPLOSIVES ARE PROHIBITED TO BE CARRIED ON BOARD
	MOBILE PHONES AND OTHER ELECTRONIC EQUIPMENT MUST BE SWITCHED OFF
	SMOKING AND NAKED LIGHTS ARE PROHIBITED
	LIGHTERS AND MATCHES ARE PROHIBITED TO BE CARRIED ON BOARD
	PERSONAL PROTECTIVE EQUIPMENT MUST BE USED ON BOARD THIS SHIP
	HAZARD PRODUCTS ARE CARRIED ON BOARD THIS SHIP

RESTRICTED AREA
AUTHORIZED PERSONNEL ONLY
UNAUTHORIZED PRESENCE WITHIN THIS AREA CONSTITUTES A VIOLATION OF SECURITY

WAY OUT

No Parking

WARNING
No private spirits are allowed on board

WARNING
No watch is allowed to persons having used alcohol within the last four hours

CREW BOARD		
WARNING:		
SHIP:	Port:	
	Date:	
	IN	OUT
Master		
Chief Mate		
2nd Mate		
3rd Mate		
D. Cadet (1)		
D. Cadet (2)		
Radio O.		
Chief Eng.		
2nd Eng.		
3rd Eng.		
4th Eng.		
E. Cadet (1)		
E. Cadet (2)		
Bosun		
A.B. (D.)		
A.B. (1*)		
A.B. (2*)		
A.B. (3*)		
Y.D.B.		
Electr.		
Mechanic		
Oiler		
Cook		
Stewart		
E.T.S. :		

We are able to produce all types of signs according to your needs. Please do not hesitate to contact us to indicate whatever you require and we will give you an estimate of costs. For further information please phone the number at the end of the catalogue.

Siamo in grado di produrre tutti i tipi di cartelli secondo le vostre indicazioni. Non esitate a contattarci per ogni vostra esigenza, siamo disponibili, sia per consigli sulla tipologia che per la realizzazione di un preventivo dettagliato. Per qualsiasi informazione chiamare i numeri indicati nell'ultima pagina del catalogo.

MUSTER STATION
PONTO DE ENCONTRO

Fire fighting equipment stored inside
Material de combate a incendio armazenado aqui dentro

Muster Station

BEWARE OF TAIL ROTOR
أحذر من دوران المروحة في الذيل

Breathing apparatus
Mascara e garrafa de oxigenio

Segnali di allarme - Alarm signals:

EMERGENZA GENERALE: Tutti i membri di equipaggio sono tenuti a seguirvi in un secondo tempo...
UNDO & MARE: un flash lungo...
AL: un segnale di "radiofonico" (RADIOCALL) con il...
NOTA: Se si sente allarme di incendio o di emergenza, si deve...
UNDO & MARE: Qualora si veda l'allarme...
INCENDIO: un segnale di incendio...
TRACCE: L'ARMADIO di emergenza...
AL SEGNALE DI EMERGENZA ANDATE AL PONTO DI PRONUNCIA
IF EMERGENCY ALARM SOUNDS GO TO MUSTER STATION

YOUR MUSTER STATION IS: LOCATED ON DECK 7

if emergency alarm sounds obtain a lifejacket and report to the muster area:

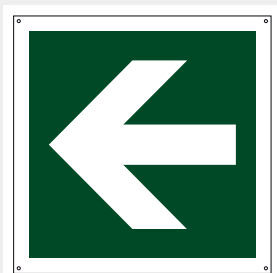
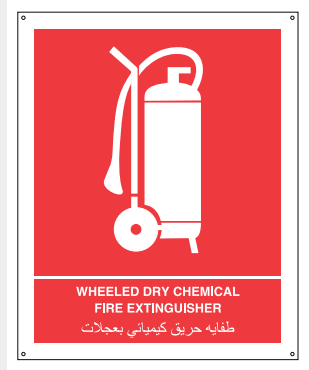
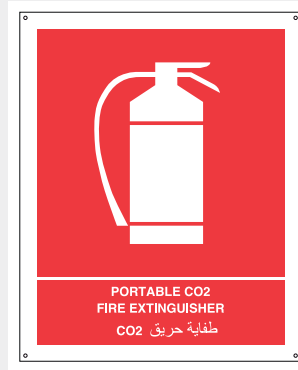
How to wear your lifejacket

- Put on the jacket.
- Strap over head.
- Strap back over thigh.
- Fasten strap tight.
- Ready for use.

ALARM SIGNALS:
GENERAL EMERGENCY: Green light...
ABANDON SHIP: Red light...
IF EMERGENCY ALARM SOUNDS OBTAIN A LIFEJACKET AND REPORT TO THE MUSTER AREA:
IF THE MUSTER AREA IS BLOCKED USE THE SECONDARY EXIT:
YOUR LIFEJACKET: Lifejackets for children and persons weighing less than 70 lbs. will be provided on request by a crew member.

CABIN PLACARDS
These examples of Cabin Placards are representative. All cabin placards are custom produced for a ship's specific arrangements.

Please contact us for detailed quotes on these placards.



CAIM ref.	page	CAIM ref.	page	CAIM ref.	page	CAIM ref.	page	CAIM ref.	page	CAIM ref.	page
CA 20	18	CA 145	44	CA 380	40	CA 1122	48	CA 2013	60	CA 2100	70
CA 21	18	CA 146	45	CA 380	47	CA 1123	48	CA 2014	60	CA 2101	70
CA 40	45	CA 147	29	CA 381	47	CA 1124	49	CA 2015	60	CA 2102	70
CA 41	45	CA 148	29	CA 382	47	CA 1125	48	CA 2016	60	CA 2110	65
CA 51	46	CA 149	29	CA 383	47	CA 1126	49	CA 2017	60	CA 3069	45
CA 52	46	CA 202	44	CA 384	47	CA 1127	48	CA 2018	65	CA 3070	45
CA 53	46	CA 203	44	CA 385	47	CA 1128	48	CA 2019	65	CA 3071	45
CA 54	46	CA 205	45	CA 386	47	CA 1129	48	CA 2016	60	CA 4100	12
CA 55	46	CA 207	45	CA 387	47	CA 1130	48	CA 2017	60	CA 4100	18
CA 56	46	CA 208	45	CA 388	47	CA 1131	48	CA 2018	65	CA 4101	10
CA 57	46	CA 209	45	CA 389	47	CA 1132	48	CA 2019	65	CA 4101	18
CA 58	46	CA 210	45	CA 390	47	CA 1133	48	CA 2016	60	CA 4103	11
CA 59	46	CA 211	45	CA 391	47	CA 1134	48	CA 2017	60	CA 4103	19
CA 60	46	CA 212	45	CA 392	47	CA 1135	48	CA 2018	65	CA 4107	19
CA 61	46	CA 213	45	CA 393	47	CA 1136	48	CA 2019	65	CA 4108	19
CA 62	46	CA 301	33	CA 394 D A	33	CA 1136	48	CA 2020	61	CA 4109	11
CA 63	46	CA 302	41	CA 394	47	CA 1137	48	CA 2021	61	CA 4109	16
CA 64	46	CA 303	41	CA 395	47	CA 1138	48	CA 2022	61	CA 4110	18
CA 66	46	CA 304	41	CA 396	47	CA 1139	49	CA 2022/I	72	CA 4111	11
CA 67	46	CA 305	41	CA 397	47	CA 1140	49	CA 2023	61	CA 4111	17
CA 68	46	CA 306	41	CA 398	47	CA 1141	49	CA 2024	61	CA 4112	10
CA 69	46	CA 307	41	CA 399	40	CA 1142	49	CA 2025	61	CA 4113	10
CA 70	46	CA 308	41	CA 400	33	CA 1143	49	CA 2028	67	CA 4114	11
CA 71	46	CA 309	41	CA 401	33	CA 1144	49	CA 2028-I	73	CA 4114	13
CA 72	46	CA 310	33	CA 402	33	CA 1145	49	CA 2030	62	CA 4115	13
CA 73	46	CA 311	33	CA 403	33	CA 1146	49	CA 2031	62	CA 4115	19
CA 74	42	CA 315	42	CA 404	33	CA 1147	49	CA 2032	62	CA 4116	13
CA 75	43	CA 316	42	CA 405	33	CA 1149	49	CA 2033	62	CA 4116	18
CA 76	43	CA 317	42	CA 406	33	CA 1151	49	CA 2035	62	CA 4117	12
CA 77	33	CA 318	42	CA 407	33	CA 1153	49	CA 2036	67	CA 4119	16
CA 78	43	CA 319	42	CA 408	33	CA 1154	49	CA 2043	62	CA 4119/I	18
CA 79	46	CA 320	42	CA 410	33	CA 1155	49	CA 2044	68	CA 4120	10
CA 80	44	CA 321	42	CA 411	33	CA 1156	48	CA 2044-I	73	CA 4120	17
CA 81	44	CA 322	42	CA 412	33	CA 1157	48	CA 2045	63	CA 4121	10
CA 82	44	CA 323	42	CA 413	33	CA 1158	48	CA 2046	63	CA 4122	11
CA 83	44	CA 324	42	CA 414	33	CA 1159	48	CA 2047	69	CA 4123	11
CA 84	44	CA 325	42	CA 415	33	CA 1160	49	CA 2048	70	CA 4124	18
CA 85	44	CA 326	42	CA 416	33	CA 1161	49	CA 2049	72	CA 4125	19
CA 85	65	CA 327	42	CA 417	33	CA 1162 U	49	CA 2050	72	CA 4126	19
CA 85R	65	CA 328	42	CA 418	33	CA 1164	49	CA 2051	72	CA 4127	19
CA 86	45	CA 329	42	CA 419	33	CA 1164	66	CA 2052	68	CA 4128	18
CA 87	45	CA 330	42	CA 420	33	CA 1164 U	49	CA 2052	71	CA 4129	18
CA 88	44	CA 331	42	CA 501	46	CA 1165	49	CA 2053	64	CA 4130	18
CA 89	44	CA 332	43	CA 502	46	CA 1165	66	CA 2054	64	CA 4131	18
CA 90	44	CA 333	43	CA 503	46	CA 1166	48	CA 2055	70	CA 4132	13
CA 91	44	CA 334	43	CA 504	46	CA 1301	41	CA 2057	70	CA 4133	13
CA 94	44	CA 335	43	CA 505	46	CA 1302	41	CA 2059	70	CA 4236	18
CA 95	44	CA 336	43	CA 506	46	CA 1303	41	CA 2060	70	CA 4237	18
CA 96	44	CA 337	43	CA 507	46	CA 1304	41	CA 2061	70	CA 4301	18
CA 97	45	CA 338	43	CA 508	46	CA 1305	41	CA 2062	70	CA 4302	18
CA 98	45	CA 339	43	CA 509	46	CA 1306	41	CA 2063	72	CA 4303	19
CA 99	44	CA 340	43	CA 510	46	CA 1307	41	CA 2064	72	CA 4304	18
CA 100	46	CA 341	43	CA 511	46	CA 1308	41	CA 2065	69	CA 4305	19
CA 101	45	CA 342	43	CA 512	46	CA 1309	41	CA 2066	69	CA 4306	19
CA 102	44	CA 344	43	CA 513	46	CA 1310	41	CA 2067	69	CA 4307	19
CA 105	45	CA 345	42	CA 514	46	CA 1311	41	CA 2068	70	CA 4308	19
CA 106	44	CA 346	42	CA 515	46	CA 1312	41	CA 2069	71	CA 4309	18
CA 107	44	CA 350	33	CA 516	46	CA 1313	41	CA 2070	29	CA 4310	15
CA 108	44	CA 351	44	CA 517	46	CA 1314	41	CA 2070	66	CA 4311	19
CA 109	44	CA 352	44	CA 518	46	CA 1315	41	CA 2071	67	CA 4312	19
CA 110	44	CA 353	45	CA 519	46	CA 1316	41	CA 2071-I	73	CA 4313	18
CA 111	44	CA 354	45	CA 520	46	CA 1317	41	CA 2072	68	CA 4314	18
CA 112	44	CA 355	45	CA 521	46	CA 1318	41	CA 2073	68	CA 4315	15
CA 113	44	CA 356	45	CA 522	46	CA 1319	41	CA 2074	64	CA 4316	19
CA 114	44	CA 357	45	CA 741	42	CA 1320	41	CA 2075	66	CA 4317	18
CA 115	44	CA 358	45	CA 1101	49	CA 1321	41	CA 2076	43	CA 4318	18
CA 116	44	CA 359	45	CA 1101	66	CA 1322	41	CA 2077	66	CA 4319	18
CA 117	44	CA 360	45	CA 1102	49	CA 1331	41	CA 2078	66	CA 4320	18
CA 118	44	CA 361	45	CA 1103	48	CA 1332	41	CA 2080	69	CA 4321	18
CA 119	44	CA 362	45	CA 1105	48	CA 1333	41	CA 2081	69	CA 4322	18
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334.305	CA 4631	14
334.306	CA 4628	14

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334.308	CA 4625	14
334.309	CA 4633	14
334.331	CA 4642	14
334.332	CA 4637	14
334.333	CA 4640	14
334.334	CA 4634	14
334.335	CA 4641	14
334.336	CA 4638	14
334.337	CA 4639	14
334.339	CA 4643	14
334.340	CA 4617	15
334.341	CA 4613	15
334.342	CA 4614	15
334.343	CA 4615	15
334.344	CA 4616	15
334.345	CA 4620	16
334.401	CA 4602	16
334.402	CA 4603	16
334.403	CA 4604	16
334.404	CA 4605	16
334.405	CA 4606	16
334.406	CA 4607	16
334.407	CA 4608	16
334.409	CA 4610	16
334.411	CA 4612	16
334.417	CA 4618	16
334.420	CA 6551	11
334.421	CA 6552	11
334.422	CA 6573	11 - 16
334.423	CA 6572	11 - 16
334.424	CA 4119	16
334.425	CA 4109	11 - 16
334.426	CA 4322	18
334.427	CA 4653	16
334.470	CA 356	45
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334.480	CA 4647	15
334.481	CA 4648	15
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335.643	CA 4841	35
335.644	CA 4803	34
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335.646	CA 4807	34
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335.648	CA 4804	34
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335.654	CA 4811	34
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335.678	CA 4724	35
335.679	CA 4722 D	35
335.690	CA 501	46
335.691	CA 503	46
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335.694	CA 504	46
335.695	CA 506	46
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335.729	CA 4820	34
335.730	CA 4822	34
335.731	CA 4833	35
335.732	CA 4839 E	34
335.733	CA 4817	34
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335.735	CA 4846 E	35
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335.824	CA 6813	40
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335.903	CA 4731	35
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336.003	CA FCS 003	22
336.004	CA FCS 004	22
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336.037	CA FCS 037	22
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336.042	CA FCS 042	22
336.043	CA FCS 043	22
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336.047	CA FCS 047	22
336.048	CA FCS 048	22
336.049	CA FCS 049	22
336.050	CA FCS 050	23
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336.074	CA FCS 074	23
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336.770	CA FCS 212	24
336.771	CA FCS 211	24
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336.773	CA FCS 214	24
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336.778	CA FCS 223	24
336.779	CA FCS 224	24
336.780	CA FCS 225	24
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336.782	CA FCS 227	24
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336.785	CA FCS 230	24
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336.787	CA FCS 232	24
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336.789	CA FCS 234	24

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336.792	CA FCS 237	24
336.793	CA FCS 238	25
336.794	CA FCS 239	25
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336.863	CA FCS 297	26
336.864	CA FCS 298	26

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336.869	CA FCS 301	26
336.872	CA FCS 304	26
336.875	CA FCS 303	26
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338.563	CA 8563	32
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338.567	CA 507	46
338.568	CA 8568	32
338.569	CA 8569	32
338.570	CA 8555	32
338.576	CA 8562	32
338.690	CA 6816	40
338.691	CA 6820	40
338.692	CA 6819	40
338.695	CA 6830	40

MEGA LUX 100R

Technical Data Sheet

PRODUCT DESCRIPTION

MEGALUX 100 is a high intensity phosphorescent vinyl film which complies with the requirements for safety signs when tested to DIN 67510 Part 1.

Highly visible to the human eye in the dark after exposure to natural or artificial light.

CONSTRUCTION

Face material :

950 μm phosphorescent yellow-green vinyl film, not radioactive, cadmium-free.

TYPICAL USES

After exposure to sun light or artificial light, MEGALUX 100r will glow in darkness conditions. The intensity of the glow diminishes with time and is strongest during the initial half hour, but in any event is still visible after 8 hours to a naked eye that has become accustomed to the darkness.

MEGALUX 100R is used for emergency evacuation, general safety and caution warning.

MEGALUX 100R is ideal for signs and escape routes, for marking exits, directions,... and used in public buildings, tunnels, military shelters, ships, safety boats, etc.

DURABILITY

5 years (indoor use).

In outdoor use, the life expectancy is reduced and is dependent on exposure conditions.

Note : Exposure to severe temperatures and ultraviolet light, as well as conditions in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude and south-facing exposure.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity. A longer period storage is not recommended.

PHYSICAL PROPERTIES (Average values)

Thickness ASTM D-645
0.950 mm

Face Material Data, 23°C DIN 53455

Tensile strength : > 8.0 kN/m

Elongation at break : 100 %

Temperature ranges :

Application : $+ 10^\circ\text{C}$ to $+ 40^\circ\text{C}$

End-use : $- 30^\circ\text{C}$ to $+ 70^\circ\text{C}$

Flammability ISO 3795

Sample mounted on aluminium : self-extinguishing.

Luminance (glow duration) DIN 67510

- after 10 min. : 110 mcd/sqm

- after 60 min. : 16 mcd/sqm

When film initially charged at 1000 lux for 5 minutes

Radioactivity

Gamma spectrometer

No artificial radioactivity.

MEGA LUX 100R is a high intensity phosphorescent vinyl film which complies with the requirements for safety signs when tested to DIN 67510 part1.

Highly visible to the human eye in the dark after exposure to natural or artificial light.

After exposure to sun light or artificial light, MEGA LUX 100R will glow in darkness conditions.

The intensity of the glow diminishes with time and is strongest during the initial half hour, but in any event is still visible after 8 hours to a naked eye that has become accustomed to the darkness.

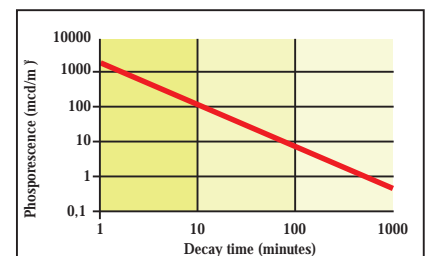
Luminance (glow duration) DIN 67510

- after 10 min. : 108 mcd/sqm

- after 60 min. : 16 mcd/sqm

When film initially charged at 1000 lux for 5 minutes

Minutes	mcd/m ²
5	199,4
10	108
30	30,50
60	16,06
120	5,05
1235	0,3



TECHNICAL DATA SHEET

Version: 2018 MHF-GXXXXP

Product Description:

Product Name: Photoluminescent self-adhesive vinyls
(Inkjet printing type)

Product Model: MHF-G030P, MHF-G050P, MHF-G100P,
MHF-G150P, MHF-G200P, MHF-G300P,
MHF-G500P

Material: PVC resin 50~60%, Photoluminescent pigment 40~50%.



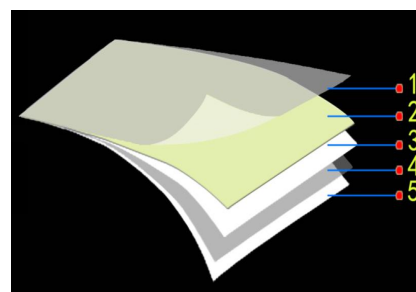
Application Scopes:

The PL self-adhesive vinyl is a luminescent product produced on the basis of long afterglow photoluminescent powder, a component that is independently developed by Minhui. It is a photoluminescent film made of hard PVC, very suitable for inkjet printing (Solvent ink) backed with adhesive paper, nontoxic and harmless. It doesn't contain any radioactive elements and is characterized by quick light absorption, longer afterglow and longer service life.

Cut the PL film into different shapes and print, could be applied in the following places:

Indicate Position: It can be used to indicate its location such as Electrical switches, control panels, wall switches, plugs, sockets, locks, flashlights, door handles, handrails, fire extinguishing equipment, fire alarms, Lifesaving Appliances etc.

Security identifier: Can be printed and made into safety labels, applied to Emergency evacuation channels, subway stations, underground tunnels, Civil Air defense works, karaoke halls, dance halls, cinemas, supermarket stores, hospitals, railway stations, airports, terminals and other places. Act as a security Warning and guide the escape path.



- 1 Transparent protective layer**
- 2 Emitting layer, 3 white base**
- 4 Adhesive layer**
- 5 Release paper layer**

Product Parameters:

Appearance: Light yellow

Glowing color: Yellow-green

Size : Width 1M, Length 25M or 50M per roll.

Back adhesiveness: >1.2 kgf/25mm (After 24 hours, 180° Adhesion)

Glow properties (Test Standard: DIN 67510-part 1, D65 Standard light source after being excited for 5 min by 1000 LUX.)

Model	AFTERGLOW INTENSITY(mcd/sqm)		AFTERGLOW TIME (min)	Thickness (mm)	Weight (Kg/m ²)
	10min	60min			
MHF-G030P	>23	>3	>400	0.19	0.42
MHF-G050P	>50	>7	>800	0.19	0.45
MHF-G100P	>100	>12	>1200	0.28	0.61

TECHNICAL DATA SHEET

Version: 2018 MHF-GXXXXP

MHF-G150P	>150	>20	>1800	0.29	0.63
MHF-G200P	>210	>30	>2500	0.31	0.68
MHF-G300P	>300	>40	>4000	0.35	0.76
MHF-G500P	>500	>68	>5000	0.60	1.40

Instruction: 1) Afterglow time refers to the time required for the luminosity to decay to 0.32mcd/sqm.

2) Thickness is not include adhesive layer and paper layer.

Product Characteristics:

- 1、The luminescent film made of PVC plastics has a certain flame-retardant property.
- 2、Easy for inkjet and silk-screen.
- 3、With a certain salt-resistant (detergent can be used to clean).
- 4、With excellent heat and cold resistance, can be applied to-20~65℃ environment.
- 5、Luminescent film has good physical and mechanical properties, excellent weather performance, outdoor life 4-6 years, 6-8 years in the indoor.
- 6、Luminescent film is instant paste, can be affixed to the surface of ordinary objects.

Usage and Notice:

- 1、Should be in the flat surface construction, the construction temperature should be 10~40℃.
 - 2、The luminescent film can be cut into a variety of shapes, directly affixed to a place (such as telephones, switches, etc.) to play a decorative, indicative role.
 - 3、On the surface of luminescent film silk screen printing pattern, text etc.. Forming a substrate glow.
 - 4、When affixed to the surface of the object should firstly clear the surface of the object, surface can not have oil, dust, etc.
 - 5、The luminescent film has a certain thermal expansion. After slicing the light-emitting film can not be placed at will, should be clamped or heavy pressure, to prevent deformation and roll edge.
 - 6、Remove the release paper of the luminescent paper when using. The luminescent film must be pressed and formed on the surface of the treated object.
 - 7、Different batches luminescent film will have a certain color difference even it is the same type.
 - 8、The length exceeds 10M will have the joint.
 - 9、The surface of the luminescent film will accumulate ash for a long time, it will affect the luminous brightness. Using a small amount of clean water, regularly clean up the surface of luminescent film.
- It is prohibited to use solvent type to clean the luminescent film. Preventing the water enter the back of the film to avoiding it fall off.

Product Standards & Regulations

IMO

- The International Maritime Dangerous Goods, IMDG Code
- The International Safety Management, ISM Code
- The International Ship and Port Facility Security, ISPS Code
- The IMO Fire Safety Systems FSS Code
- The IMO Life Saving Appliance LSA Code
- IMO & ICAO Document 9636 detailing symbols to be used in all air and sea ports

SOLAS Consolidated Edition

- Chapter II-1 – Construction: Structure, Subdivisions and Stability, Machinery and Electrical Installations
- Chapter II-2 Regulation 20 Fire control plans and fire drills
- Chapter II-2 Regulation 28 Means of escape
- Chapter III Regulation 9.2 Operating instructions
- Chapter III – Life-Saving Appliances
- Chapter VII – Dangerous Goods
- Chapter IX – ISM
- Chapter XI-2 – Special Measures to Enhance Maritime Security

MARPOL 73/78

- Annex I - Regulations for the Prevention of Pollution by Oil
- Annex V – Regulations for the Prevention of Pollution by Garbage from Ships

ISO

- ISO 17631
Ships and marine technology – shipboard plans for fire protection, life-saving appliances and means of escape.
- ISO 15370
Ships and marine technology – Low-location lighting on passenger ships – Arrangement
- ISO 3864-3:2006
Graphical symbols -- Safety colours and safety signs – Part 3: Design principles for graphical symbols for use in safety signs
- ISO 20712-1:2008
Water safety signs and beach safety flags - Specifications for water safety signs used in workplaces and public areas
- ISO 24409-1
Ships and marine technology – Design, location and use of shipboard safety signs, safety related signs, safety notices and safety markings.
- ISO 7010
Graphical symbols – safety colours and safety signs – safety signs used in workplaces and public areas
- ISO 9186
Graphical symbols. Test methods for judged comprehensibility and for comprehension
- DIN 67 510 Part 1
Deutsche Normen Standard. Test method for luminance performance
- DIN 67 510 Part 4
Deutsche Normen Standard. Luminance performance requirements for photoluminescent materials

Symbols Size

A = 100 x 100 mm
B = 50 x 50 mm
C = 150 x 150 mm
D = 300 x 100 mm
E = 150 x 200 mm
F = 200 x 200 mm
G = 300 x 200 mm

J = 400 x 300 mm
L = 500 x 200 mm
M = 200 x 250 mm
N = 500 x 500 mm
P = 75 x 150 mm
Q = 300 x 300 mm
S = 390 x 130 mm

T = 450 x 100 mm
U = 250 x 250 mm
V = 350 x 500 mm
W = 100 x 150 mm
Y = 300 x 150 mm
Z = 250 x 300 mm

Simbols Material

A = Self-adhesive vinyl

AL = Photoluminescent self-adhesive vinyl

R = Rigid plastic support

RL = Photoluminescent rigid PVC support



C A T A L O G U E

Flags Log Books Signs Safety

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