

IHO PUBLICATION S-52 ~~APPENDIX 2~~

~~ADDENDUM TO ANNEX A, PART I, USERS' MANUAL~~  
ENC Symbol Catalogue

EDITION ~~3.4 (2008)~~ 4.0.0 (2014)

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PAPER BASED DESCRIPTION OF SYMBOLS  
FOR USE ON ECDIS

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IHO Publication S-52 ~~Appendix 2~~

~~ADDENDUM TO ANNEX A, PART I, USERS' MANUAL (2008)~~

~~EDITION 3.4~~

ENC SYMBOL CATALOGUE

PAPER BASED DESCRIPTION OF SYMBOLS FOR USE ON ECDIS

1. Point Symbols and Centered Area Symbols .....	<del>31</del> <u>31</u>
2. Complex Linestyles .....	<del>509</del> <u>509</u>
3. Area Pattern .....	<del>563</del> <u>563</u>

~~Notes: — A full explanation of application and use of the described symbols of the ECDIS symbol library can be found in the S-52 Presentation Library, Appendix 2, Annex A, Part I, Users' Manual in section 14.~~

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# 1. Point Symbols and Centered Area Symbols

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Symbol Name:

SY(ACHARE02)

RN: 1

Symbol Explanation: anchorage area as a point at small scale, or anchor points of mooring trot at large scale

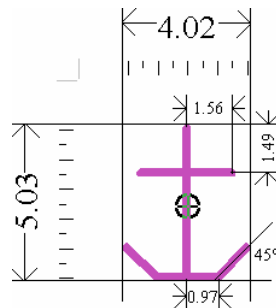
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 2.06

Pivot Point Row: 2.63

Width of Bounding Box: 4.02

Height of Bounding Box: 5.03



Symbol Colours:



CHMGD

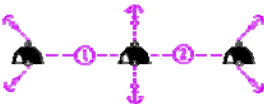
Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
ACHARE	N 10, N 12.1-9	(N 10) ↓
OBSTRN	Q 42	

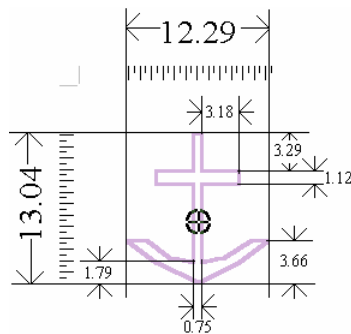
Symbol Name:	SY(ACHARE51)	RN: 2
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Symbol Explanation: anchorage area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.29  
Pivot Point Row: 7.79

Width of Bounding Box: 12.29  
Height of Bounding Box: 13.04

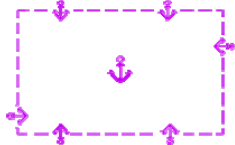


Symbol Colours:  CHMGF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
ACHARE (centred symbol)	N 12.1-9	(N 12.1) 



Symbol Name:

SY(ACHBRT07)

RN: 3

Symbol Explanation: designated anchor berth for a single vessel

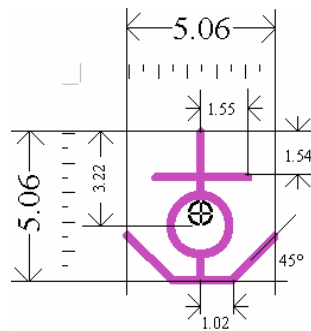
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 2.54

Pivot Point Row: 2.79

Width of Bounding Box: 5.06

Height of Bounding Box: 5.06



Symbol Colours:



CHMGD

Comments:

Line weight 0.3 mm  
 Circle diameter 2.02 mm

Examples on ENC:

N/A

References:

S57	INT 1	
ACHBRT	N 11.1, 11.2	(N 11.1)

Symbol Name:

SY(ACHRES51)

RN: 4

Symbol Explanation: area where anchoring is prohibited or restricted

Look up table affected: N/A

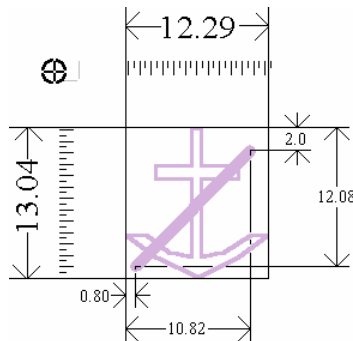
Called by CSP etc.: CSP RESARE03 Continuation B,  
CSP RESCSP02 Continuation B

Pivot Point Column: -6.40

Pivot Point Row: -5.13

Width of Bounding Box: 12.29

Height of Bounding Box: 13.04



Symbol Colours:



CHMGF

Comments:

Line weight 0.3 mm / 0.9 mm  
Other symbol dimensions like SY(ACHARE51)

Examples on ENC:

N/A

References:

S57	INT 1	
RESARE	N 20	

Symbol Name:	SY(ACHRES61)	RN: 5
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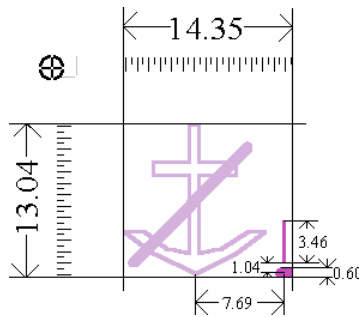
Symbol Explanation: area where anchoring is prohibited or restricted, with other cautions

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation B,  
CSP RESCSP02 Continuation B

Pivot Point Column: -6.40  
Pivot Point Row: -5.13

Width of Bounding Box: 14.35  
Height of Bounding Box: 13.04



Symbol Colours:

- CHMGF
- CHMGD

Comments: Line weight 0.3mm / 0.9 mm;  
Other symbol dimensions like SY(ACHRES51);  
The “!” at bottom right indicates that further cautions are available about the nature of the restriction.

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 20	

Symbol Name:	SY(ACHRES71)	RN: 6
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Symbol Explanation: area where anchoring is prohibited or restricted, with other information

Look up table affected: N/A

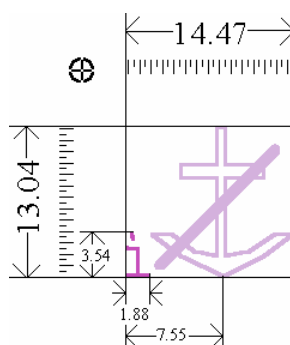
Called by CSP etc.: CSP RESARE03 Continuation B,  
CSP RESCSP02 Continuation B

Pivot Point Column: -4.22

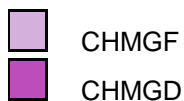
Pivot Point Row: -5.13

Width of Bounding Box: 14.47

Height of Bounding Box: 13.04



Symbol Colours:



Comments:

Line weight 0.3 mm / 0.9 mm;  
Other symbol dimensions like SY(ACHRES51);  
The "i" at bottom left indicates that further information is available about the nature of the restriction.

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 20	

Symbol Name:	SY(AIRARE02)	RN: 7
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Symbol Explanation: symbol for airport as a point

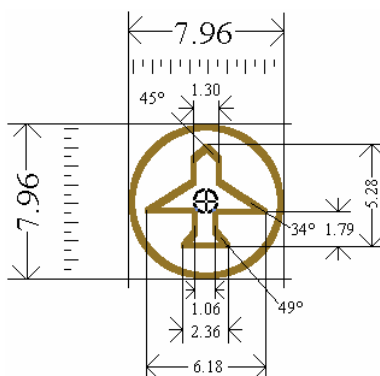
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.98

Pivot Point Row: 3.98

Width of Bounding Box: 7.96

Height of Bounding Box: 7.96



Symbol Colours:



LANDF


Comments:

Line weight 0.3 mm  
Circle diameter 7.96 mm

Examples on ENC:

N/A

References:

S57	INT 1
AIRARE	D 17 

Symbol Name:	<del>SY(AISATN02)</del>	<del>RN: 588</del>
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~~Symbol Explanation: AIS based aid to navigation~~

~~Look up table affected: N/A~~

~~Called by CSP etc.: CSP VESSEL02~~

~~Pivot Point Column: 3.00~~

~~Pivot Point Row: 3.00~~

~~Width of Bounding Box: 6.00~~

~~Height of Bounding Box: 6.00~~

~~Symbol Colours: RESBL~~

~~Comments: Diamond line weight 0.3 mm;  
Cross line weight 0.3 mm~~

~~Examples on ENC: N/A~~

~~References: IMO Guidelines for the presentation of navigation-related symbols, terms  
and abbreviations SN/Circ.243-15-December-2004~~

~~IEC 62288 Ed.1~~

S57	INT 1
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Symbol Name:	<b>SY(AISDGR02)</b>	RN: 579
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Symbol Explanation: dangerous AIS target

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 2.50

Pivot Point Row: 2.25

Width of Bounding Box: 5.00

Height of Bounding Box: 7.50

Symbol Colours: DNGHL

Comments: Point diameter 0.6 mm; line weight 0.9 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
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Symbol Name:	<b>SY(AISLST02)</b>	RN: 580
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Symbol Explanation: ~~Lost AIS target~~

Look up table affected: ~~N/A~~

Called by CSP etc.: ~~CSP VESSEL02~~

Pivot Point Column: ~~6.25~~

Pivot Point Row: ~~6.25~~

Width of Bounding Box: ~~12.50~~

Height of Bounding Box: ~~12.50~~

Symbol Colours: ~~DNGHL~~

Comments: ~~Line weight 0.6 mm~~

Examples on ENC: ~~N/A~~

References: ~~IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004~~

~~IEC 62288 Ed.1~~

S57	INT 1	
N/A	S 17	<b>AIS</b>



Symbol Name:	<del>SY(AISSEL01)</del>	<del>RN: 581</del>
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Symbol Explanation: ~~selected AIS target~~

Look up table affected: ~~N/A~~

Called by CSP etc.: ~~CSP VESSEL02~~

Pivot Point Column: ~~5.75~~

Pivot Point Row: ~~6.75~~

Width of Bounding Box: ~~12.50~~

Height of Bounding Box: ~~11.80~~

Symbol Colours: ~~RESBL~~

Comments: ~~Line weight 0.6 mm~~

Examples on ENC: ~~N/A~~

References: ~~IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243-15-December-2004~~

~~IEC 62288 Ed.1~~

<del>S57</del>	<del>INT-1</del>
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Symbol Name:	<b>SY(AISSLP02)</b>	RN: 11
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Symbol Explanation: sleeping AIS target

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 1.50

Pivot Point Row: 2.25

Width of Bounding Box: 3.00

Height of Bounding Box: 4.50

Symbol Colours: RESBL

Comments: Point diameter 0.6 mm

Line weight 0.6 mm

Examples on ENC: N/A

References: IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004

IEC 62288 Ed.1

S57	INT 1
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Symbol Name:	<del>SY(AISTRN03)</del>	<del>RN: 582</del>
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~~Symbol Explanation: AIS target turning to starboard~~

~~Look up table affected: N/A~~

~~Called by CSP etc.: CSP VESSEL02~~

~~Pivot Point Column: 0.00~~

~~Pivot Point Row: 2.00~~

~~Width of Bounding Box: 2.00~~

~~Height of Bounding Box: 2.00~~

~~Symbol Colours: RESBL~~

~~Comments: Line weight 0.3 mm~~

~~Examples on ENC: N/A~~

~~References: IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243-15-December-2004~~

~~IEC 62288 Ed.1~~

S57	INT 1
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Symbol Name:	<del>SY(AISTRN04)</del>	<del>RN: 583</del>
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Symbol Explanation: ~~AIS target turning to port~~

Look up table affected: ~~N/A~~

Called by CSP etc.: ~~CSP VESSEL02~~

Pivot Point Column: ~~2.00~~

Pivot Point Row: ~~2.00~~

Width of Bounding Box: ~~2.00~~

Height of Bounding Box: ~~2.00~~

Symbol Colours: ~~RESBL~~

Comments: ~~Line weight 0.3 mm~~

Examples on ENC: ~~N/A~~

References: ~~IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004~~

~~IEC 62288 Ed.1~~

<del>S57</del>	<del>INT 1</del>
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Symbol Name:	<del>SY(AISTSO01)</del>	<del>RN: 589</del>
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~~Symbol Explanation: AIS target — true scale outline~~

~~Look up table affected: N/A~~

~~Called by CSP etc.: CSP VESSEL02~~

~~Pivot Point Column: relative to reported position~~

~~Pivot Point Row: and according to reported position offsets~~

~~Width of Bounding Box: scaled according to reported~~

~~Height of Bounding Box: beam and length~~

~~Symbol Colours: RESBL~~

~~Comments: Line weight 0.6 mm~~

~~Examples on ENC: N/A~~

~~References: IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004~~

~~IEC 62288 Ed.1~~

S57	INT 1
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Symbol Name:	<b>SY(AISVES02)</b>	RN: 12
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Symbol Explanation: active AIS target showing vector and/or heading

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 2.00

Pivot Point Row: 6.00

Width of Bounding Box: 4.00

Height of Bounding Box: 6.00

Symbol Colours: RESBL

Comments: Line weight 0.6 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References: IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004

IEC 62288 Ed.1

S57	INT 1
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Symbol Name:	SY(ARPATG02)	RN: 13
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Symbol Explanation: ARPA target

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 1.50

Pivot Point Row: 1.50

Width of Bounding Box: 3.00

Height of Bounding Box: 3.00

Symbol Colours: ARPAT

Comments: Point diameter 0.6 mm

Outer circle diameter 3.0 mm; circle line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT 1
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Symbol Name:	SY(ARPONE02)	RN: 14
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Symbol Explanation: one minute mark on ARPA vector

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 1.00

Pivot Point Row: 0.00

Width of Bounding Box: 2.00

Height of Bounding Box: 0.00

Symbol Colours: ARPAT

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
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Symbol Name:	SY(ARPSIX02)	RN: 15
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Symbol Explanation: six minute mark on ARPA vector

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 1.50

Pivot Point Row: 0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 0.00

Symbol Colours: ARPAT

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1

Symbol Name:	SY(BCNCAR01)	RN: 16
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Symbol Explanation: cardinal beacon, north, simplified

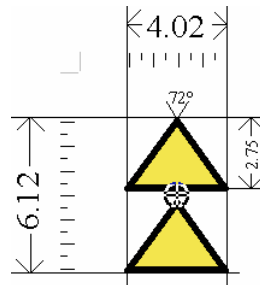
Look up table affected: simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 3.05

Width of Bounding Box: 4.02

Height of Bounding Box: 6.12



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNCAR	Q 130.3

Symbol Name:

SY(BCNCAR02)

RN: 17

Symbol Explanation: cardinal beacon, east, simplified

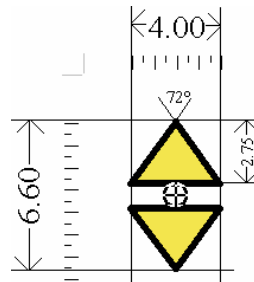
Look up table affected: simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 3.30

Width of Bounding Box: 4.00

Height of Bounding Box: 6.60



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNCAR	Q 130.3

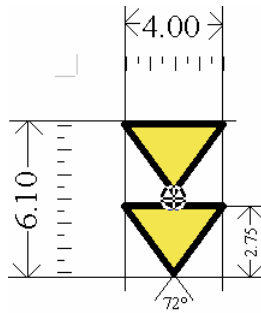
Symbol Name:	<b>SY(BCNCAR03)</b>	RN: 18
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Symbol Explanation: cardinal beacon, south, simplified

Look up table affected: simplified point symbols

Pivot Point Column: 2.00  
Pivot Point Row: 3.05

Width of Bounding Box: 4.00  
Height of Bounding Box: 6.10



Symbol Colours:

- OUTLW
- CHYLW

Comments: Line weight 0.3 mm

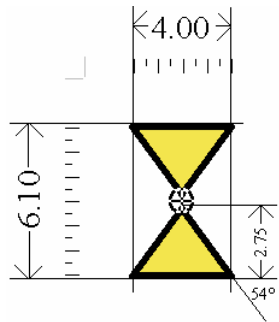
Examples on ENC: N/A

References:

S57	INT 1
BCNCAR	Q 130.3

Symbol Name:	<b>SY(BCNCAR04)</b>	RN: 19
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Symbol Explanation: cardinal beacon, west, simplified  
 Look up table affected: simplified point symbols  
 Pivot Point Column: 2.00  
 Pivot Point Row: 3.05  
 Width of Bounding Box: 4.00  
 Height of Bounding Box: 6.10



Symbol Colours:  OUTLW  
 CHYLW

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNCAR	Q 130.3

Symbol Name:

SY(BCNDEF13)

RN: 20

Symbol Explanation: default symbol for a beacon, simplified

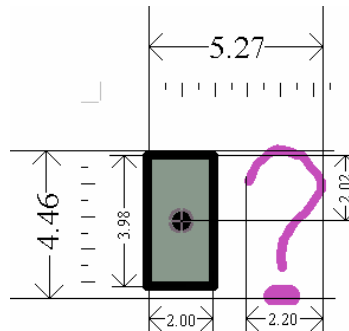
Look up table affected: simplified point symbols

Pivot Point Column: 1.03

Pivot Point Row: 2.18

Width of Bounding Box: 5.27

Height of Bounding Box: 4.46



Symbol Colours:



CHMGD



CHGRD



OUTLW

Comments:

Line weight (question mark) 0.3 mm; line weight (question mark dot) 0.6 mm

Line weight 0.3 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNCAR	Q 130.3	
BCNLAT	Q 91-92;130.1	
BCNSPP	Q 120-125; 130.6	
BCNISD	Q 130.4	
BCNSAW	Q 130.5	

Symbol Name:

SY(BCNGEN01)

RN: 21

Symbol Explanation: beacon in general, paper-chart

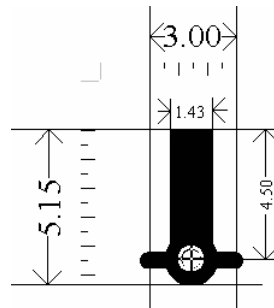
Look up table affected: paper chart point symbols

Pivot Point Column: 1.50

Pivot Point Row: 4.50

Width of Bounding Box: 3.00

Height of Bounding Box: 5.15



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm  
Circle diameter 1.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
BCNCAR	Q 130.3
BCNISD	Q 130.4
BCNLAT	Q 91-92;130.1
BCNSAW	Q 130.5
BCNSPP	Q 120-125; 130.6

Symbol Name:	<b>SY(BCNGEN03)</b>	RN: 22
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Symbol Explanation: default symbol for beacon, paper-chart

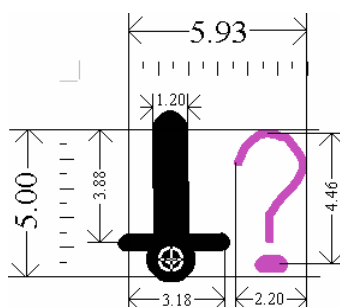
Look up table affected: paper chart point symbols

Pivot Point Column: 1.50

Pivot Point Row: 4.46

Width of Bounding Box: 5.93

Height of Bounding Box: 5.00



Symbol Colours:



Comments: Line weight (question mark) 0.3 mm; line weight (question mark dot) 0.6 mm  
Line weight (beacon horizontal bar) 0.6 mm;  
Line weight (beacon vertical bar) 1.2 mm  
Circle diameter 1.08 mm

Examples on ENC: N/A

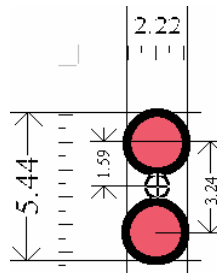
References:

S57	INT 1	
BCNCAR	Q 130.3	
BCNISD	Q 130.4	
BCNLAT	Q 91-92;130.1	
BCNSAW	Q 130.5	
BCNSPP	Q 120-125; 130.6	



Symbol Name:	SY(BCNISD21)	RN: 23
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Symbol Explanation: isolated danger beacon, simplified  
 Look up table affected: simplified point symbols  
 Pivot Point Column: 1.12  
 Pivot Point Row: 2.69  
 Width of Bounding Box: 2.22  
 Height of Bounding Box: 5.44



Symbol Colours:  OUTLW  
 CHRED

Comments: Circle line weight 0.3 mm; circle diameter 2.2 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNISD	Q 83; 130.4

Symbol Name:

SY(BCNLAT15)

RN: 24

Symbol Explanation: major lateral beacon, red, simplified

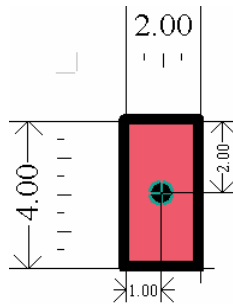
Look up table affected: simplified point symbols

Pivot Point Column: 1.00

Pivot Point Row: 2.00

Width of Bounding Box: 2.00

Height of Bounding Box: 4.00



Symbol Colours:



CHRED



OUTLW

Comments:

Line weight 0.3 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
BCNLAT	Q 130.1

Symbol Name:

SY(BCNLAT16)

RN: 25

Symbol Explanation: major lateral beacon, green, simplified

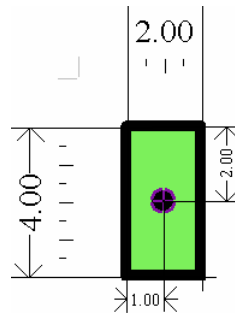
Look up table affected: simplified point symbols

Pivot Point Column: 1.00

Pivot Point Row: 2.00

Width of Bounding Box: 2.00

Height of Bounding Box: 4.00



Symbol Colours:



CHGRN



OUTLW

Comments:

Line weight 0.3 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
BCNLAT	Q 130.1

Symbol Name:	SY(BCNLAT21)	RN: 26
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Symbol Explanation: minor lateral beacon, red, simplified

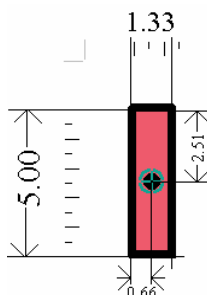
Look up table affected: simplified point symbols

Pivot Point Column: 0.66

Pivot Point Row: 2.51

Width of Bounding Box: 1.33

Height of Bounding Box: 5.00



Symbol Colours:



Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNLAT	Q 91-92 ;130.1

Symbol Name:	SY(BCNLAT22)	RN: 27
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Symbol Explanation: minor lateral beacon, green, simplified

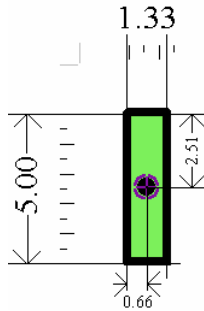
Look up table affected: simplified point symbols

Pivot Point Column: 0.66

Pivot Point Row: 2.51

Width of Bounding Box: 1.33

Height of Bounding Box: 5.00



Symbol Colours:

- OUTLW
- CHGRN

Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNLAT	Q 91-92 ;130.1

Symbol Name:	SY(BCNLTC01)	RN: 28
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Symbol Explanation: lattice beacon, paper-chart

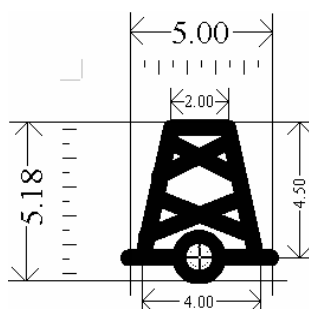
Look up table affected: paper chart point symbols

Pivot Point Column: 2.50

Pivot Point Row: 4.50

Width of Bounding Box: 5.00

Height of Bounding Box: 5.18



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Circle diameter 1.36 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNCAR	Q 130.3	
BCNISD	Q 130.4	
BCNLAT	Q 91-92;130.1	
BCNSAW	Q 130.5	
BCNSPP	Q 130.6	
BCNxxx	Q 111	

Symbol Name:	SY(BCNSAW13)	RN: 29
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Symbol Explanation: major safe water beacon, simplified

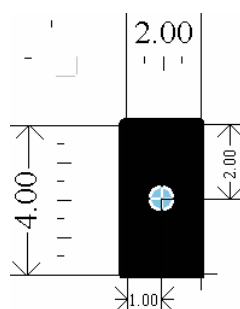
Look up table affected: simplified point symbols

Pivot Point Column: 1.00

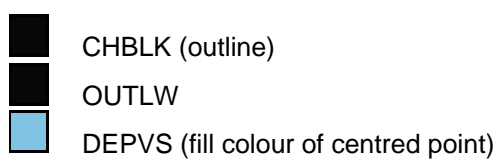
Pivot Point Row: 2.00

Width of Bounding Box: 2.00

Height of Bounding Box: 4.00



Symbol Colours:



Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNSAW	Q 130.5

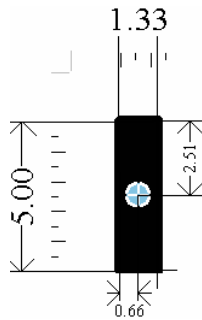
Symbol Name:	<b>SY(BCNSAW21)</b>	RN: 30
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Symbol Explanation: minor safe water beacon, simplified

Look up table affected: simplified point symbols

Pivot Point Column: 0.66  
Pivot Point Row: 2.51

Width of Bounding Box: 1.33  
Height of Bounding Box: 5.00



Symbol Colours:

- OUTLW (outline)
- CHBLK
- DEPVS (fill colour of centred point)

Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNSAW	Q 130.5



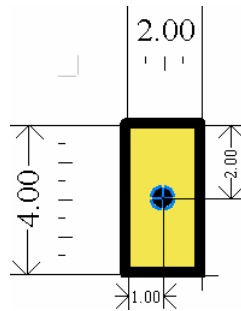
Symbol Name:	<b>SY(BCNSPP13)</b>	RN: 31
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Symbol Explanation: major special purpose beacon, simplified

Look up table affected: simplified point symbols

Pivot Point Column: 1.00  
Pivot Point Row: 2.00

Width of Bounding Box: 2.00  
Height of Bounding Box: 4.00



Symbol Colours:

- CHYLW
- OUTLW

Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNSPP	Q 130.6

Symbol Name:	SY(BCNSPP21)	RN: 32
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Symbol Explanation: minor special purpose beacon, simplified

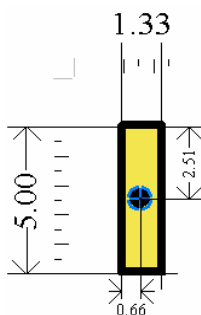
Look up table affected: simplified point symbols

Pivot Point Column: 0.66

Pivot Point Row: 2.51

Width of Bounding Box: 1.33

Height of Bounding Box: 5.00



Symbol Colours:

<span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black;"></span>	OUTLW
<span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black;"></span>	CHYLW

Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BCNSPP	Q 130.6

Symbol Name:

SY(BCNSTK02)

RN: 33

Symbol Explanation: minor, stake or pole beacon, paper-chart

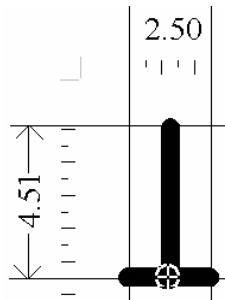
Look up table affected: paper chart point symbols

Pivot Point Column: 1.25

Pivot Point Row: 4.51

Width of Bounding Box: 2.50

Height of Bounding Box: 4.51



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNCAR	Q 130.3	
BCNISD	Q 130.4	
BCNLAT	Q 91-92;130.1	
BCNSAW	Q 130.5	
BCNSPP	Q 130.6	

Symbol Name:	SY(BCNTOW01)	RN: 34
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Symbol Explanation: beacon tower, paper-chart

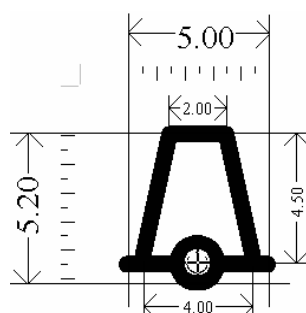
Look up table affected: paper chart point symbols

Pivot Point Column: 2.50

Pivot Point Row: 4.50

Width of Bounding Box: 5.00

Height of Bounding Box: 5.20



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm  
Circle diameter 1.40 mm

Examples on ENC:

N/A

References:

S57	INT 1
BCNCAR	Q 130.3
BCNISD	Q 130.4
BCNLAT	Q 91-92;130.1
BCNSAW	Q 130.5
BCNSPP	Q 130.6
BCNxxx	Q 110

Symbol Name:	SY(BLKADJ01)	RN: 523
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Symbol Explanation: symbol to be used for checking and adjusting the brightness and contrast controls

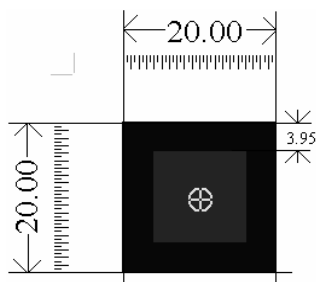
Look up table affected: N/A

Pivot Point Column: 10.33

Pivot Point Row: 10.43

Width of Bounding Box: 20.00

Height of Bounding Box: 20.00



Symbol Colours :



BKAJ1



BKAJ2

Comments: See PresLib section 8.5.8

Examples on ENC: N/A

References:

S57	INT 1
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Symbol Name:	SY(BOYBAR01)	RN: 35
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Symbol Explanation: barrel buoy, paper-chart

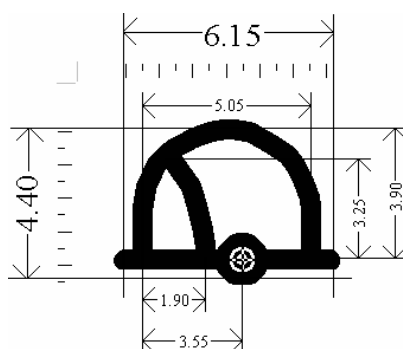
Look up table affected: paper chart point symbols

Pivot Point Column: 3.55

Pivot Point Row: 3.90

Width of Bounding Box: 6.15

Height of Bounding Box: 4.40




Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm  
Circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57		INT 1
BOYSPP	Q 25; 130.6	(Q 25)
		

Symbol Name:

SY(BOYCAN01)

RN: 36

Symbol Explanation: can buoy, paper-chart

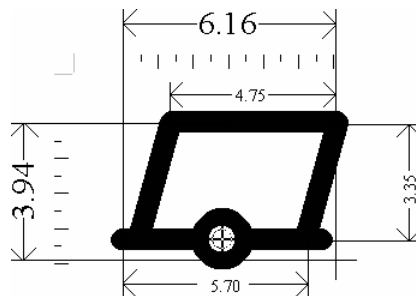
Look up table affected: paper chart point symbols

Pivot Point Column: 2.88

Pivot Point Row: 3.35

Width of Bounding Box: 6.16

Height of Bounding Box: 3.94



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Circle diameter 1.18 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYLAT	Q 21; 130.1	
BOYSPP	Q 21; 130.6	(Q 130.6)

Symbol Name:

SY(BOYCAR01)

RN: 37

Symbol Explanation: cardinal buoy, north, simplified

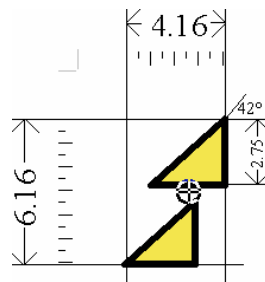
Look up table affected: simplified point symbols

Pivot Point Column: 2.66

Pivot Point Row: 3.13

Width of Bounding Box: 4.16

Height of Bounding Box: 6.16



Symbol Colours:



CHYLW

OUTLW

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYCAR	Q 130.3



Symbol Name:

SY(BOYCAR02)

RN: 38

Symbol Explanation: cardinal buoy, east, simplified

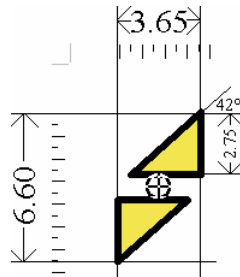
Look up table affected: simplified point symbols

Pivot Point Column: 1.80

Pivot Point Row: 3.30

Width of Bounding Box: 3.65

Height of Bounding Box: 6.60



Symbol Colours:



OUTLW



CHYLW

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYCAR	Q 130.3

Symbol Name:

SY(BOYCAR03)

RN: 39

Symbol Explanation: cardinal buoy, south, simplified

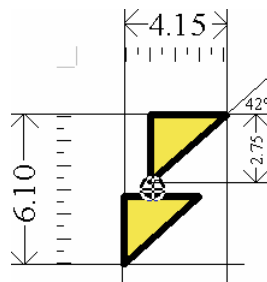
Look up table affected: simplified point symbols

Pivot Point Column: 1.20

Pivot Point Row: 3.05

Width of Bounding Box: 4.15

Height of Bounding Box: 6.10



Symbol Colours:



Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYCAR	Q 130.3

Symbol Name:

SY(BOYCAR04)

RN: 40

Symbol Explanation: cardinal buoy, west, simplified

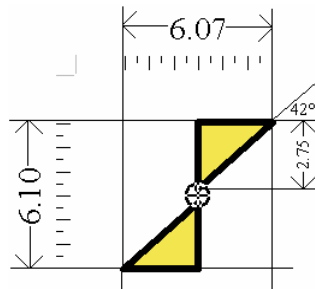
Look up table affected: simplified point symbols

Pivot Point Column: 3.05

Pivot Point Row: 3.05

Width of Bounding Box: 6.07

Height of Bounding Box: 6.10



Symbol Colours:



OUTLW



CHYLW

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYCAR	Q 130.3

Symbol Name:	<b>SY(BOYCON01)</b>	RN: 41
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Symbol Explanation: conical buoy, paper-chart

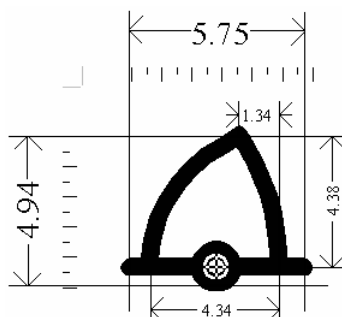
Look up table affected: paper chart point symbols

Pivot Point Column: 2.88

Pivot Point Row: 4.38

Width of Bounding Box: 5.75

Height of Bounding Box: 4.94



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm  
Circle diameter 1.12 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYCAR	Q 130.3	
BOYISD	Q 130.4	
BOYLAT	Q 130.1	
BOYSPP	Q 130.6	
BOYxxx	Q 20; 50-57; 59; 60; 62; 70; 71	(Q 20) △

Symbol Name:

SY(BOYDEF03)

RN: 42

Symbol Explanation: default symbol for buoy, simplified

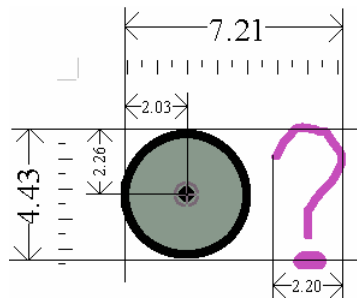
Look up table affected: simplified point symbols

Pivot Point Column: 2.03

Pivot Point Row: 2.26

Width of Bounding Box: 7.21

Height of Bounding Box: 4.43



Symbol Colours:



CHMGD

CHGRD

OUTLW

Comments:

Line weight (question mark) 0.3 mm; line weight (question mark dot) 0.6 mm

Line weight 0.3 mm

Circle diameter 4.06 mm; circle filled

Point diameter 0.6 mm

Examples on ENC:

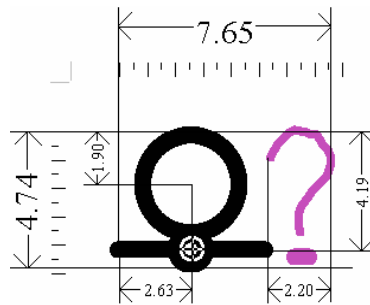
N/A

References:

S57	INT 1	
BOYCAR	Q 130.3	
BOYLAT	Q 130.1	

Symbol Name:	SY(BOYGEN03)	RN: 43
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Symbol Explanation: default symbol for buoy, paper-chart  
 Look up table affected: paper chart point symbols  
 Pivot Point Column: 2.66  
 Pivot Point Row: 4.21  
 Width of Bounding Box: 7.65  
 Height of Bounding Box: 4.74



Symbol Colours:  CHMGD  
 CHBLK

Comments: Line weight (question mark) 0.3 mm; line weight (question mark dot) 0.6 mm  
 Line weight 0.6 mm  
 Circle diameter 3.46 mm; circle diameter 1.1 mm

Examples on ENC: N/A

References:

S57	INT 1	
BOYCAR	Q 130.3	
BOYISD	Q 130.4	Body: black with red/orange/red base(s) Topmark: 2 black spheres 
BOYLAT	Q 130.1	
BOYSAW	Q 130.5	Body: red and white vertical stripes Topmark (if any): red sphere 
BOYSPP	Q 130.6	Body (shape optional): yellow Topmark (if any): yellow X <p>± In special cases yellow can be in conjunction with another colour</p>

Symbol Name:

SY(BOYINB01)

RN: 44

Symbol Explanation: installation buoy, paper-chart

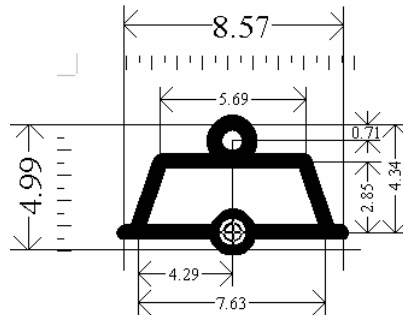
Look up table affected: paper chart point symbols

Pivot Point Column: 4.29

Pivot Point Row: 4.34

Width of Bounding Box: 8.57

Height of Bounding Box: 4.99



Symbol Colours:



CHBLK


Comments:

Line weight 0.6 mm  
 Upper circle diameter 1.42 mm  
 Lower circle diameter 1.3 mm

Examples on ENC:

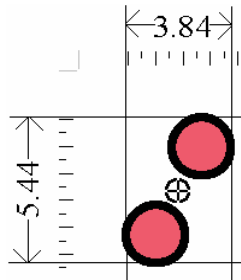
N/A

References:

S57	INT 1	
BOYINB	L 16	

Symbol Name:	SY(BOYISD12)	RN: 45
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Symbol Explanation: isolated danger buoy, simplified  
 Look up table affected: simplified point symbols  
 Pivot Point Column: 1.88  
 Pivot Point Row: 2.71  
 Width of Bounding Box: 3.84  
 Height of Bounding Box: 5.44

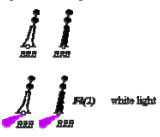


Symbol Colours:  OUTLW  
 CHRED

Comments: Line weight 0.3 mm  
 Circle diameter 2.2 mm

Examples on ENC: N/A

References:

S57	INT 1	
BOYISD	Q 130.4	Body : black with red horizontal band(s) Topmark : 2 black spheres 



Symbol Name:

SY(BOYLAT13)

RN: 46

Symbol Explanation: conical lateral buoy, green, simplified

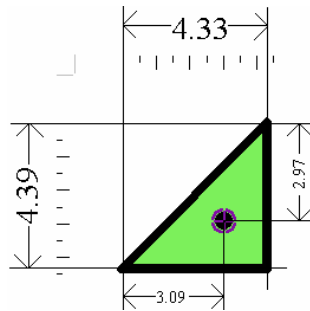
Look up table affected: simplified point symbols

Pivot Point Column: 3.09

Pivot Point Row: 2.97

Width of Bounding Box: 4.33

Height of Bounding Box: 4.39



Symbol Colours:



CHGRN



OUTLW

Comments:

Line weight 0.3 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
BOYLAT	Q 130.1

Symbol Name:	SY(BOYLAT14)	RN: 47
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Symbol Explanation: conical lateral buoy, red, simplified

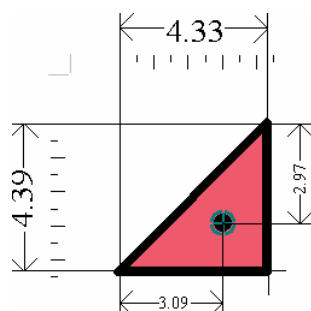
Look up table affected: simplified point symbols

Pivot Point Column: 3.09

Pivot Point Row: 2.97

Width of Bounding Box: 4.33

Height of Bounding Box: 4.39



Symbol Colours:



Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYLAT	Q 130.1

Symbol Name:	SY(BOYLAT23)	RN: 48
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Symbol Explanation: can shape lateral buoy, green, simplified

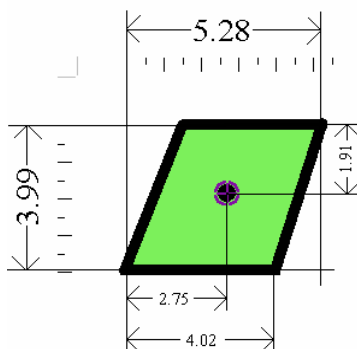
Look up table affected: simplified point symbols

Pivot Point Column: 2.75

Pivot Point Row: 1.91

Width of Bounding Box: 5.28

Height of Bounding Box: 3.99



Symbol Colours:

<span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black;"></span>	CHGRN
<span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black;"></span>	OUTLW

Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYLAT	Q 130.1

Symbol Name:

SY(BOYLAT24)

RN: 49

Symbol Explanation: can shape lateral buoy, red, simplified

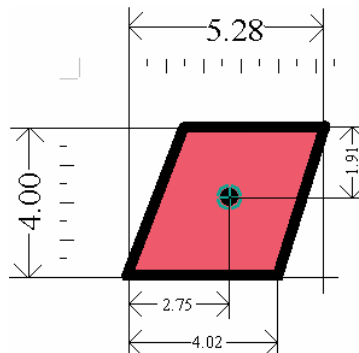
Look up table affected: simplified point symbols

Pivot Point Column: 2.75

Pivot Point Row: 1.91

Width of Bounding Box: 5.28

Height of Bounding Box: 4.00



Symbol Colours:



CHRED



OUTLW

Comments:

Line weight 0.3 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
BOYLAT	Q 130.1

Symbol Name:

SY(BOYMOR01)

RN: 50

Symbol Explanation: mooring buoy, barrel shape, paper-chart

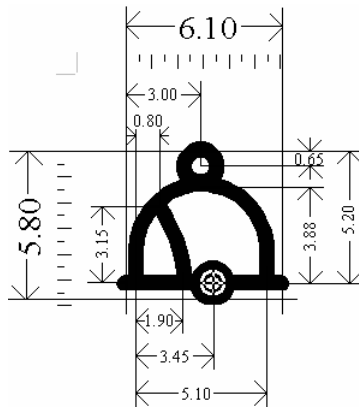
Look up table affected: paper chart point symbols

Pivot Point Column: 3.45

Pivot Point Row: 5.20

Width of Bounding Box: 6.10

Height of Bounding Box: 5.80



Symbol Colours:



CHBLK


Comments:

Line weight 0.6 mm  
 Upper circle diameter 1.3 mm  
 Lower circle diameter 1.2 mm

Examples on ENC:

N/A

References:

S57	INT 1	
MORFAC	Q 40-43	Q 40 

Symbol Name:

SY(BOYMOR03)

RN: 51

Symbol Explanation: mooring buoy, can shape, paper-chart

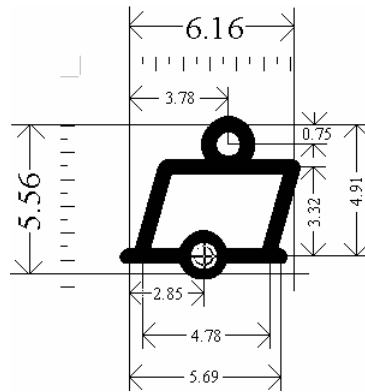
Look up table affected: paper chart point symbols

Pivot Point Column: 2.85

Pivot Point Row: 4.91

Width of Bounding Box: 6.16

Height of Bounding Box: 5.56



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm


Upper circle diameter 1.5 mm

Lower circle diameter 1.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
MORFAC	Q 40-43	Q 40 

Symbol Name:	SY(BOYMOR11)	RN: 52
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Symbol Explanation: installation buoy and mooring buoy, simplified

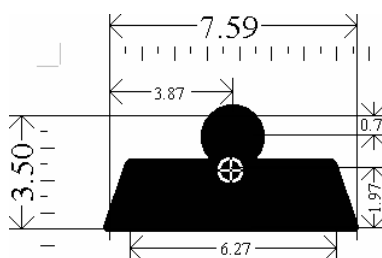
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.80

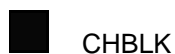
Pivot Point Row: 1.75

Width of Bounding Box: 7.59

Height of Bounding Box: 3.50



Symbol Colours:



CHBLK

Comments: Line weight 0.3 mm  
Point diameter 2.02 mm

Examples on ENC: N/A

References:

S57		INT 1
BOYINB	L 16	
MORFAC	Q 40-43	

Symbol Name:

SY(BOYPIL01)

RN: 53

Symbol Explanation: pillar buoy, paper-chart

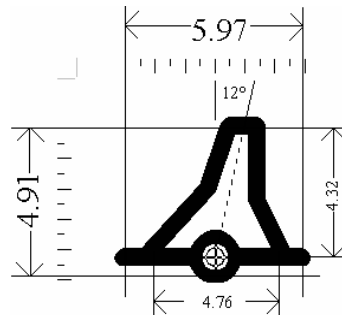
Look up table affected: paper chart point symbols

Pivot Point Column: 3.07

Pivot Point Row: 4.32

Width of Bounding Box: 5.97

Height of Bounding Box: 4.91



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm  
Circle diameter 1.18 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYxxx	Q 23	<i>A</i>
BOYCAR	Q 130.3	
BOYISD	Q 130.4	
BOYLAT	Q 130.1	
BOYSAW	Q 130.5	
BOYSPP	Q 130.6	



Symbol Name:

SY(BOYSAW12)

RN: 54

Symbol Explanation: safe water buoy, simplified

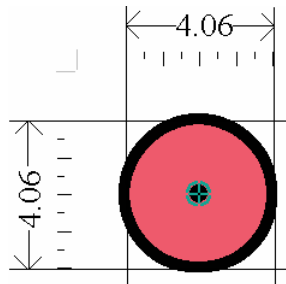
Look up table affected: simplified point symbols

Pivot Point Column: 2.03

Pivot Point Row: 2.03

Width of Bounding Box: 4.06

Height of Bounding Box: 4.06



Symbol Colours:



CHRED



OUTLW

Comments:


Line weight 0.3 mm; circle diameter 4.06 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYSAW	Q 130.5	

Symbol Name:

SY(BOYSPH01)

RN: 55

Symbol Explanation: spherical buoy, paper-chart

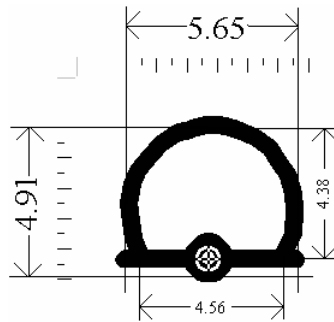
Look up table affected: paper chart point symbols

Pivot Point Column: 2.78

Pivot Point Row: 4.38

Width of Bounding Box: 5.65

Height of Bounding Box: 4.91



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm  
Circle diameter 1.06 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYxxx	Q 22	
BOYSAW	Q 130.5	
BOYSPP	Q 130.6	

Symbol Name:

SY(BOYSPP11)

RN: 56

Symbol Explanation: special purpose buoy, spherical or barrel shaped, or default symbol for special purpose buoy, simplified

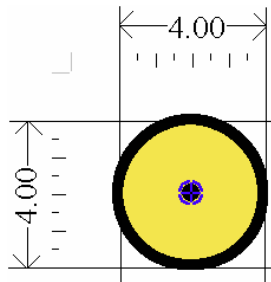
Look up table affected: simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



CHYLW



OUTLW

Comments:

Line weight 0.3 mm; circle diameter 4.0 mm  
Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYSPP	Q 50-57; 59; 62; 70; 71; 130.6	Q 130.6 Body (shape optional): yellow Top (max if any): yellow X 

Symbol Name:

SY(BOYSPP15)

RN: 57

Symbol Explanation: special purpose TSS buoy marking the starboard side of the traffic lane, simplified

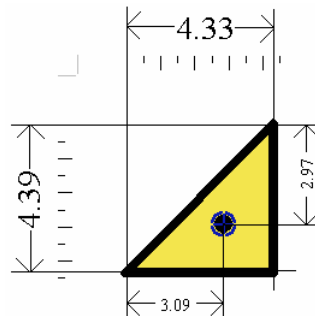
Look up table affected: simplified point symbols

Pivot Point Column: 2.89

Pivot Point Row: 2.99

Width of Bounding Box: 4.33

Height of Bounding Box: 4.39



Symbol Colours:



CHYLW



OUTLW

Comments:

Line weight 0.3 mm

Point diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYSPP	Q 130.6	<p>Body (stape optional) : yellow Top (mark if any) : yellow X</p> <p>FLY yellow light</p> <p>In special cases yellow can be in conjunction with another colour</p>

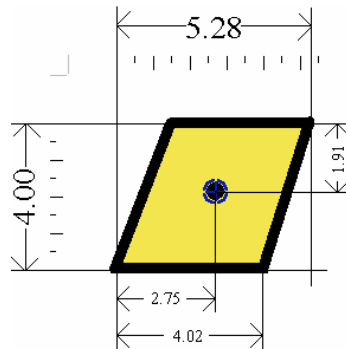
Symbol Name:	SY(BOYSPP25)	RN: 58
--------------	--------------	--------

Symbol Explanation: special purpose TSS buoy marking the port side of the traffic lane, simplified

Look up table affected: simplified point symbols

Pivot Point Column: 2.75  
Pivot Point Row: 1.91

Width of Bounding Box: 5.28  
Height of Bounding Box: 4.00



Symbol Colours:

- CHYLW
- OUTLW

Comments: Line weight 0.3 mm  
Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
BOYSPP	Q 130.6	<p>Body (shape optional) yellow Top (main) (if any) yellow X</p> <p>FLY yellow light</p> <p>in special cases yellow can be in conjunction with another colour</p>

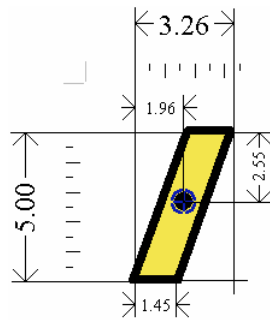
Symbol Name:	SY(BOYSPP35)	RN: 527
--------------	--------------	---------

Symbol Explanation: special purpose ice buoy or spar or pillar shaped buoy, simplified

Look up table affected: simplified point symbols

Pivot Point Column: 1.96  
 Pivot Point Row: 2.55

Width of Bounding Box: 3.26  
 Height of Bounding Box: 5.00



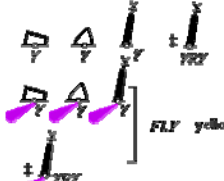
Symbol Colours:

	CHYLW
	OUTLW

Comments: Line weight 0.3 mm  
 Point diameter 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYSPP	Q 130.6
<p>Body (shape optional) - yellow                  Top(mark (if any) - yellow X</p>  <p>FLY yellow light</p> <p>In special cases yellow can be in conjunction with another colour</p>	

Symbol Name:

SY(BOYSPR01)

RN: 59

Symbol Explanation: spar buoy, paper-chart

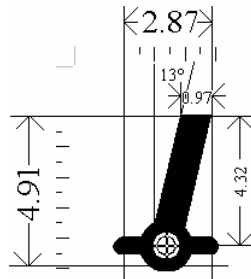
Look up table affected: paper chart point symbols

Pivot Point Column: 1.47

Pivot Point Row: 4.32

Width of Bounding Box: 2.87

Height of Bounding Box: 4.91



Symbol Colours:



CHBLK




Comments:

Line weight 0.6 mm  
Circle diameter 1.18 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYxxx	Q 24	
BOYCAR	Q 130.3	
BOYISD	Q 130.4	
BOYLAT	Q 130.1	
BOYSAW	Q 130.5	
BOYSPP	Q 130.6	

Symbol Name:

SY(BOYSUP01)

RN: 60

Symbol Explanation: super-buoy, paper-chart

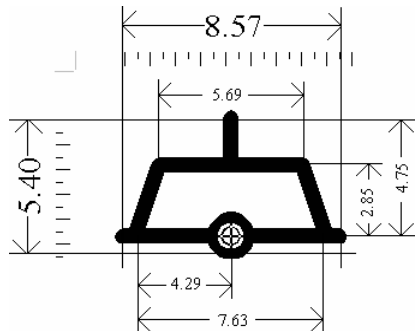
Look up table affected: paper chart point symbols

Pivot Point Column: 4.29

Pivot Point Row: 4.75

Width of Bounding Box: 8.57

Height of Bounding Box: 5.40



Symbol Colours:



CHBLK

Comments:


Line weight 0.6 mm

Circle diameter 1.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYxxx	Q 26; 130.1; 130.3; 130.4; 130.5; 130.6	(Q 26) 



Symbol Name:

SY(BOYSUP02)

RN: 61

Symbol Explanation: super-buoy ODAS &amp; LANBY, simplified

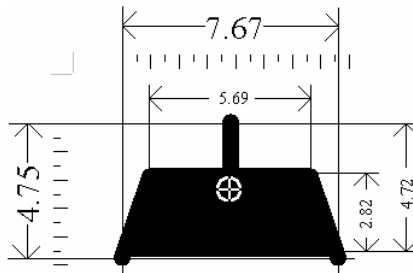
Look up table affected: simplified point symbols

Pivot Point Column: 3.84

Pivot Point Row: 2.38

Width of Bounding Box: 7.67

Height of Bounding Box: 4.75



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYSPP	Q 26, 58, 130.6	(Q 26)

Symbol Name:

SY(BOYSUP03)

RN: 62

Symbol Explanation: LANBY, super-buoy, paper-chart

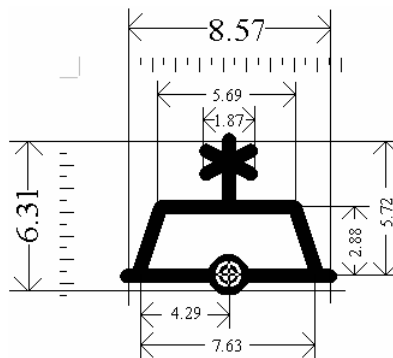
Look up table affected: paper chart point symbols

Pivot Point Column: 4.32

Pivot Point Row: 5.72

Width of Bounding Box: 8.57

Height of Bounding Box: 6.31



Symbol Colours:



CHBLK


Comments:

Line weight 0.6 mm  
Circle diameter 1.18 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BOYSPP	Q 26, 130.6	(Q 26) 

Symbol Name:

SY(BRIDGE01)

RN: 63

Symbol Explanation: symbol for opening bridge

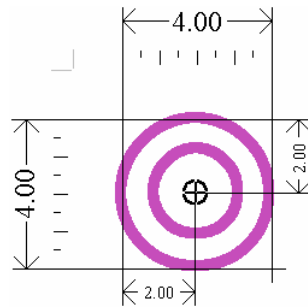
Look up table affected: line symbols

Pivot point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



CHMGD

Comments:

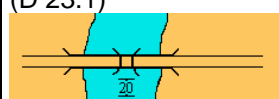
Line weight 0.3 mm

Inner circle diameter 2.3 mm; outer circle diameter 4.0 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BRIDGE	D 23.1-23.6	(D 23.1) 

Symbol Name:

SY(BRTHNO01)

RN: 64

Symbol Explanation: berth number symbol

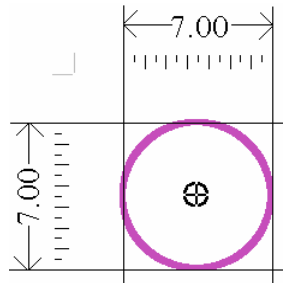
Look up table affected: line symbols  
 paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 3.50

Pivot Point Row: 3.50

Width of Bounding Box: 7.00

Height of Bounding Box: 7.00



Symbol Colours:



CHMGD

Comments:

Line weight 0.3 mm; circle diameter 7.0 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BERTHS	F 19	

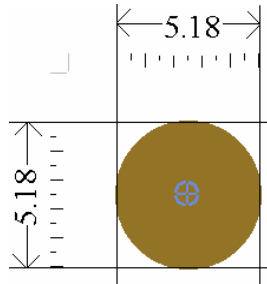
Symbol Name:	SY(BUAARE02)	RN: 65
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Symbol Explanation: built-up area as a point at small scale

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.56  
Pivot Point Row: 2.54

Width of Bounding Box: 5.18  
Height of Bounding Box: 5.18



Symbol Colours:  LANDF

Comments: Filled circle diameter 5.18 mm

Examples on ENC: N/A

References:

S57	INT 1	
BUAARE	D 3, 4; G 50-54	(D 3)
	<input type="radio"/> NAME	<input type="checkbox"/> NAME

Symbol Name:	SY(BUIREL01)	RN: 66
--------------	--------------	--------

Symbol Explanation: non-conspicuous religious building, Christian

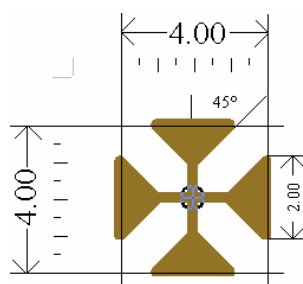
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:




LANDF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
BUISGL	E 10.1, 11; G 75	(E 10.1)  Ch
LNDMRK	E 10.2; 10.3; 10.4	

Symbol Name:

SY(BUIREL04)

RN: 67

Symbol Explanation: non-conspicuous religious building, non-Christian

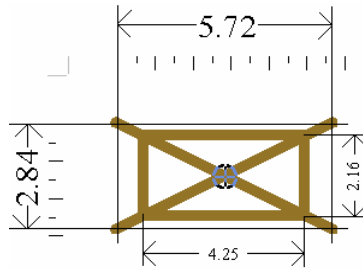
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.88

Pivot Point Row: 1.47

Width of Bounding Box: 5.72

Height of Bounding Box: 2.84



Symbol Colours:



LANDF

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BUISGL	E 13-16	(E 16)

Symbol Name:

SY(BUIREL05)

RN: 68

Symbol Explanation: mosque or minaret

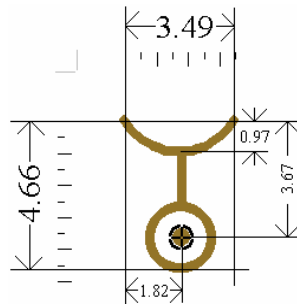
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.85

Pivot Point Row: 3.68

Width of Bounding Box: 3.49

Height of Bounding Box: 4.66



Symbol Colours:



LANDF

Comments:

Line weight 0.3 mm

Circle diameter 1.98 mm; point diameter 0.7 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BUISGL	E 17, 18	(E 17)



Symbol Name:

SY(BUIREL13)

RN: 69

Symbol Explanation: conspicuous religious building, Christian

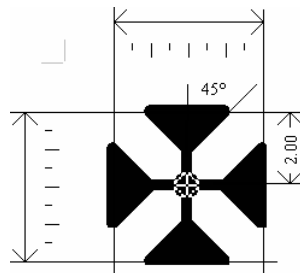
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width Of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



CHBLK


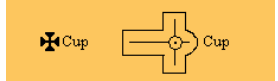
Comments:

Line weight ~~0.3~~0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BUISGL	E 10.1, 11	(E 10.1) 
LNDMRK	E 10.2, 10.3, 10.4	(E 10.4) 

Symbol Name:

SY(BUIREL14)

RN: 70

Symbol Explanation: conspicuous religious building, non-Christian

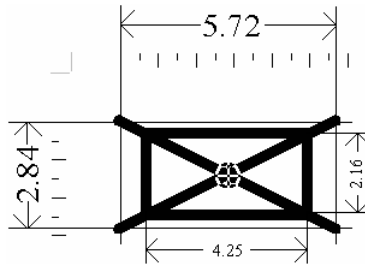
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.88

Pivot Point Row: 1.47

Width of Bounding Box: 5.72

Height of Bounding Box: 2.84



Symbol Colours:



CHBLK

Comments:

Line weight ~~0.3~~0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BUISGL	E 13-16	(E 16)

Symbol Name:

SY(BUIREL15)

RN: 71

Symbol Explanation: conspicuous mosque or minaret

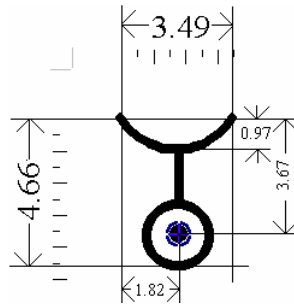
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.83

Pivot Point Row: 3.65

Width of Bounding Box: 3.49

Height of Bounding Box: 4.66



Symbol Colours:



CHBLK

Comments:


Line weight 0.30.6 mm

Circle diameter 1.98 mm; point diameter 0.7 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BUISGL	E 17, 18	(E 17)
		

Symbol Name:

SY(BUISGL01)

RN: 72

Symbol Explanation: single building

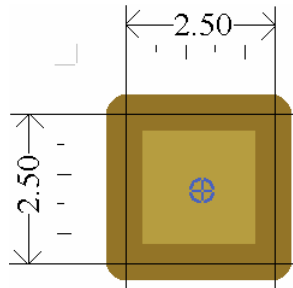
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.32

Pivot Point Row: 1.32

Width of Bounding Box: 2.50

Height of Bounding Box: 2.50




Symbol Colours:

Comments: Line weight ~~0.6~~0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
BUISGL	D 5, 6, 8; G 60-63, 71, 76, 83, 84, 93, 95, 97	(D 5) 

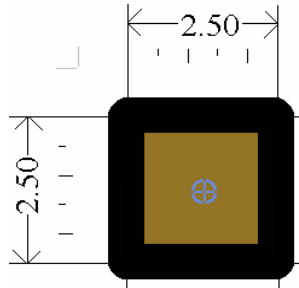
Symbol Name:	SY(BUISGL11)	RN: 73
--------------	--------------	--------

Symbol Explanation: conspicuous single building

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.32  
Pivot Point Row: 1.32

Width of Bounding Box: 2.50  
Height of Bounding Box: 2.50




Symbol Colours:  LANDF  
 CHBLK

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
BUISGL	D 5, 6, 8; G 60-63, 71, 76, 83, 84, 93, 95, 97	(D 5) 

Symbol Name:

SY(CAIRNS01)

RN: 74

Symbol Explanation: cairn

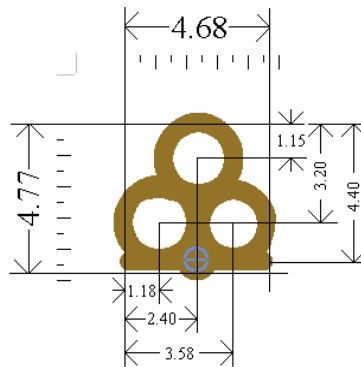
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.40

Pivot Point Row: 4.40

Width of Bounding Box: 4.68

Height of Bounding Box: 4.77



Symbol Colours:



LANDF

Comments:


Line weight 0.60.3 mm

Diameter of the three circles 2.3 mm; base circle diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNSPP	Q 100	
LNDMRK	Q 100	(Q 100)
		

Symbol Name:

SY(CAIRNS11)

RN: 75

Symbol Explanation: conspicuous cairn

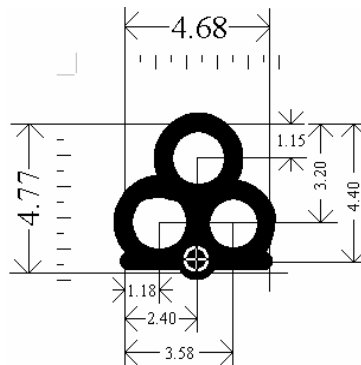
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.40

Pivot Point Row: 4.40

Width of Bounding Box: 4.68

Height of Bounding Box: 4.77



Symbol Colours:



CHBLK

Comments:


Line weight 0.6 mm

Diameter of the three circles 2.3 mm; base circle diameter 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNSPP	Q 100	
LNDMRK	Q 100	(Q 100) 

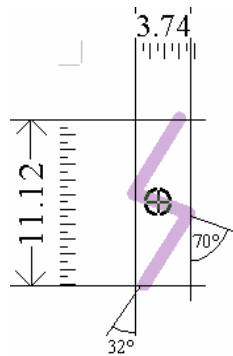
Symbol Name:	SY(CBLARE51)	RN: 76
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Symbol Explanation: cable area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 1.71  
Pivot Point Row: 5.66

Width of Bounding Box: 3.74  
Height of Bounding Box: 11.12

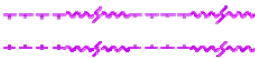


Symbol Colours:  CHMGF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
CBLARE	L 30.2, 31.2	(L 31.2) 



Symbol Name:

SY(CGUSTA02)

RN: 77

Symbol Explanation: coastguard station

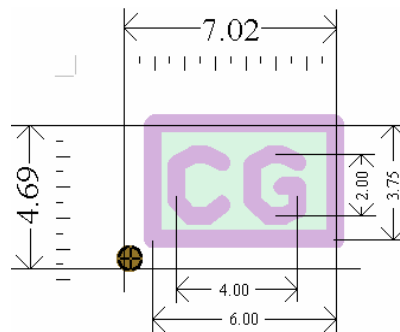
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 0.29

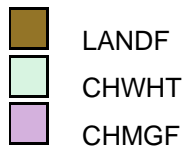
Pivot Point Row: 4.36

Width of Bounding Box: 7.02

Height of Bounding Box: 4.69



Symbol Colours:

Comments: Line weight 0.6 mm  
Point diameter 0.92 mm

Examples on ENC: N/A

References:

S57	INT 1	
CGUSTA	T 10, 11	

Symbol Name:

SY(CHCRDEL1)

RN: 78

Symbol Explanation: this object has been manually deleted or modified

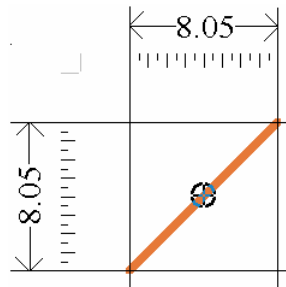
Look up table affected: N/A

Pivot Point Column: 4.09

Pivot Point Row: 4.01

Width of Bounding Box: 8.05

Height of Bounding Box: 8.05



Symbol Colours:



CHCOR

Comments:

Line weight 0.3 mm

See PresLib section 8.7.1

Examples on ENC:

N/A

References:

S57

INT 1

Symbol Name:

SY(CHCRID01)

RN: 79

Symbol Explanation: this object has been manually updated

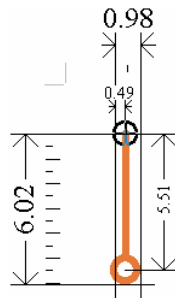
Look up table affected: N/A

Pivot Point Column: 0.49

Pivot Point Row: 0.03

Width of Bounding Box: 0.98

Height of Bounding Box: 6.02



Symbol Colours:



CHCOR

Comments:

Line weight 0.3 mm; circle diameter 0.98 mm  
See PresLib section 8.7.1

Examples on ENC:

N/A

References:

S57

INT 1

Symbol Name: SY(CHDATD01) RN: 591

Symbol Explanation: This object is a date dependent by attribute DATSTA, DATEND, PERSTA and/or PEREND

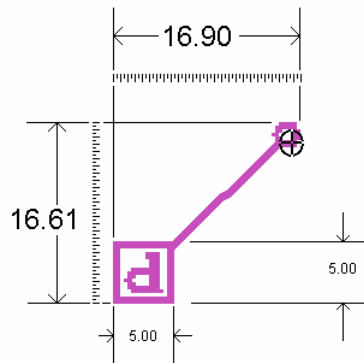
Look up table affected: N/A

Pivot Point Column: 15.48

Pivot Point Row: 1.42

Width of Bounding Box: 16.90

Height of Bounding Box: 16.61



Symbol Colours:  CHMGD

Comments: Line weight 0.6 mm; circle diameter 2.2 mm  
See PresLib section 10.4.1

Examples on ENC: N/A

References: \_\_\_\_\_

<u>S57</u>	<u>INT 1</u>
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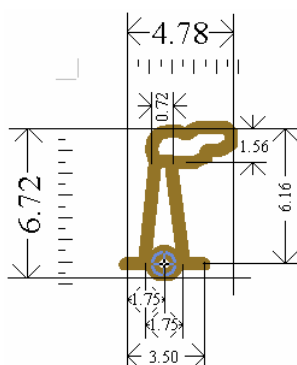
Symbol Name:	SY(CHIMNY01)	RN: 80
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Symbol Explanation: chimney

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.75  
Pivot Point Row: 6.16

Width of Bounding Box: 4.78  
Height of Bounding Box: 6.72





Symbol Colours:  LANDF

Comments: Line weight ~~0.6~~0.3 mm

Examples on ENC: N/A

#### References:

S57	INT 1		
LNDMRK	E 22		

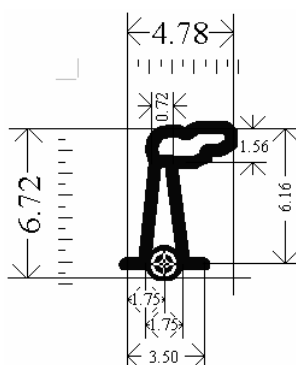
Symbol Name:	SY(CHIMNY11)	RN: 81
--------------	--------------	--------

Symbol Explanation: conspicuous chimney

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.75  
Pivot Point Row: 6.16

Width of Bounding Box: 4.78  
Height of Bounding Box: 6.72





Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm

Examples on ENC: N/A

#### References:

S57	INT 1		
LNDMRK	E 22		

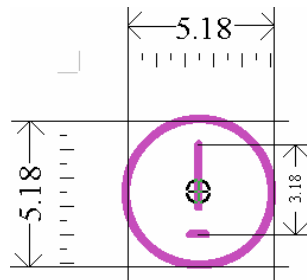
Symbol Name:	SY(CHINFO06)	RN: 82
--------------	--------------	--------

Symbol Explanation: HO caution note

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.56  
Pivot Point Row: 2.54

Width of Bounding Box: 5.18  
Height of Bounding Box: 5.18





Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 5.18 mm

Examples on ENC: N/A

References:

S57	INT 1	
CTNARE	M 29.2	
DAMCON	F 44	
MIPARE	N 30-33	(N 30) 
SPLARE	N 13	

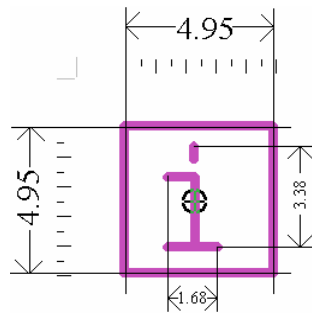
Symbol Name:	SY(CHINFO07)	RN: 83
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Symbol Explanation: HO information note

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 2.35  
Pivot Point Row: 2.54

Width of Bounding Box: 4.95  
Height of Bounding Box: 4.95





Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
CTSARE	N 64 
DMPGRD	N 23, 24, 62.1, 62.2 (N 62.2) 
HRBFAC	F 10, 50, 52; U 1.1 (U 1.1) 
ICNARE	N 65 
M_NPUB	Not specified
PIPARE	L 40.2, 41.2 (L 40.1) 



Symbol Name:	SY(CHINFO08)	RN: 84
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Symbol Explanation: mariner's information note

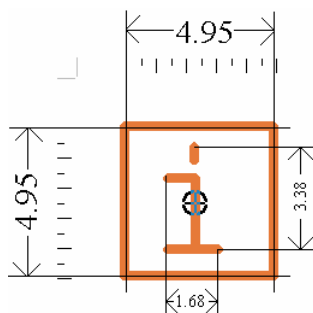
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.35

Pivot Point Row: 2.54

Width of Bounding Box: 4.95

Height of Bounding Box: 4.95



Symbol Colours:



NINFO

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
marnot	To meet the requirement of IMO PS 1.6

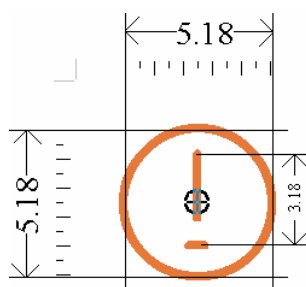
Symbol Name:	SY(CHINFO09)	RN: 85
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Symbol Explanation: mariners caution note

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.56  
Pivot Point Row: 2.54

Width of Bounding Box: 5.18  
Height of Bounding Box: 5.18



Symbol Colours:  NINFO

Comments: line weight 0.3 mm; circle diameter 5.18 mm

Examples on ENC: N/A

#### References:

S57	INT 1
marfea	To meet the requirement of IMO PS 1.6 and of IHO S-52 sections 1.1 and 5.5
marnot	To meet the requirement of IMO PS 1.6

Symbol Name:	SY(CHINFO10)	RN: 86
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Symbol Explanation: manufacturer's information note

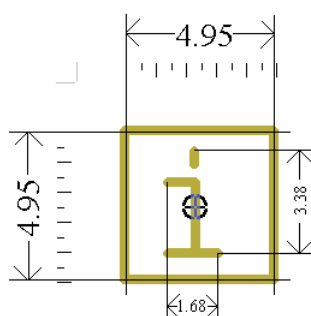
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.35

Pivot Point Row: 2.54

Width of Bounding Box: 4.95

Height of Bounding Box: 4.95



Symbol Colours:  ADINF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

#### References:

S57	INT 1
mnufea	To implement IMO PS section 2 and IHO S-52 section 2

Symbol Name:

SY(CHINFO11)

RN: 87

Symbol Explanation: manufacturer's caution note

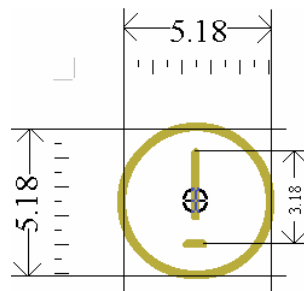
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.56

Pivot Point Row: 2.54

Width of Bounding Box: 5.18

Height of Bounding Box: 5.18



Symbol Colours:



ADINF

Comments: Line weight 0.3 mm; circle diameter 5.18 mm

Examples on ENC: N/A

References:

S57	INT 1	
mnufeaa	To implement IMO PS section 2 and IHO S-52 section 2	

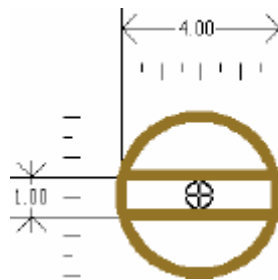
<u>Symbol Name:</u>	<u>SY(CHKPNT01)</u>	<u>RN: 591</u>
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Symbol Explanation: customs symbol

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries  
paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00  
Pivot Point Row: 2.00

Width of Bounding Box: 4.00  
Height of Bounding Box: 4.00




Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; circle diameter 4.00 mm

Examples on ENC: N/A

References:

<u>S57</u>	<u>INT 1</u>
<u>BUISGL</u>	<u>F 61</u> 

Symbol Name:

SY(CHKSYM01)

RN: 88

Symbol Explanation: test symbol for checking symbol sizes, should measure 5 mm by 5 mm

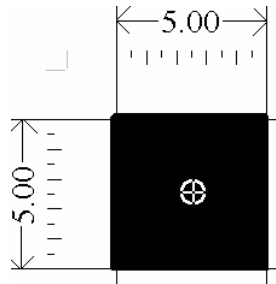
Look up table affected: N/A

Pivot Point Column: 2.61

Pivot Point Row: 2.49

Width of Bounding Box: 5.00

Height of Bounding Box: 5.00



Symbol Colours:



CHBLK (outline)

OUTLW (fill colour)

Comments:

Line weight 0.3 mm  
PresLib section 8.3.5

Examples on ENC:

N/A

References:

S57

INT 1

Symbol Name:

SY(~~CLRLIN01~~CHRVDEL1)  
89592

RN:

Symbol Explanation:

~~Arrowhead for mariner's clearing line~~ [This object has been deleted by an automatic update](#)

Look up table affected:

N/A

~~Called by CSP etc.:~~~~CSP CLRLIN01~~

Pivot Point Column:

1.624.49

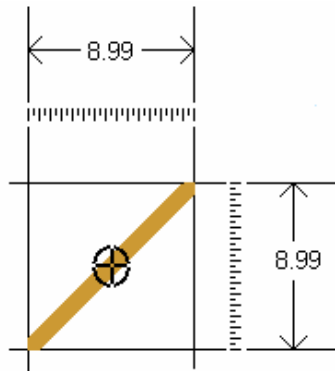
Pivot Point Row:

6.074.50

Width of Bounding Box:

3.258.99

Height of Bounding Box:

6.078.99

Symbol Colours:

~~NINFO~~CHCOR

Comments:

~~N/A~~ [Line weight 0.9 mm](#)  
[See PresLib section 10.7.2](#)

Examples on ENC:

N/A

References:

S57	INT 1
-----	-------

Symbol Name: SY(CHRVID01) RN: 593

Symbol Explanation: This object has been inserted or modified by an automatic update

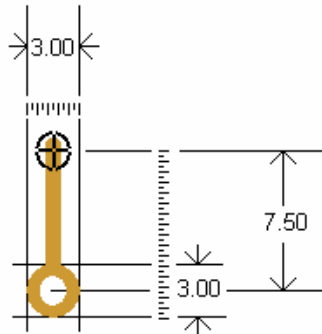
Look up table affected: N/A

Pivot Point Column: 1.97

Pivot Point Row: 0.47

Width of Bounding Box: 3.94

Height of Bounding Box: 9.94



Symbol Colours:  CHCOR

Comments: Line weight 0.9 mm; circle diameter 3.00 mm  
See PresLib section 10.7.2

Examples on ENC: N/A

References:

<u>S57</u>	<u>INT 1</u>
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Symbol Name:	SY(CRANES01)	RN: 90
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Symbol Explanation: cranes

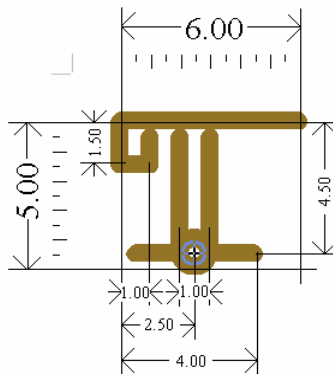
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.50

Pivot Point Row: 4.50

Width of Bounding Box: 6.00

Height of Bounding Box: 5.00

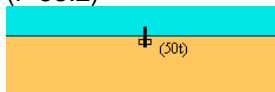


Symbol Colours:  LANDF

Comments: Line weight 0.6 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
CRANES	F 53.1, 53.2, 53.3	(F 53.2) 

Symbol Name:

SY(CTNARE51)

RN: 91

Symbol Explanation: caution area, a specific caution note applies

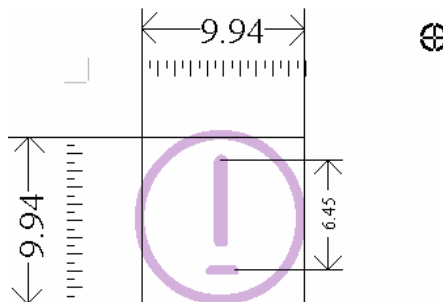
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 17.85

Pivot Point Row: -6.00

Width of Bounding Box: 9.94

Height of Bounding Box: 9.94



Symbol Colours:



TRFCF

Comments:

Line weight 0.6 mm; circle diameter 9.94 mm

Examples on ENC:

N/A

References:

S57		INT 1
CTNARE	M 29.2	
TSSLPT	Not specified	

Symbol Name:

SY(CTYARE51)

RN: 92

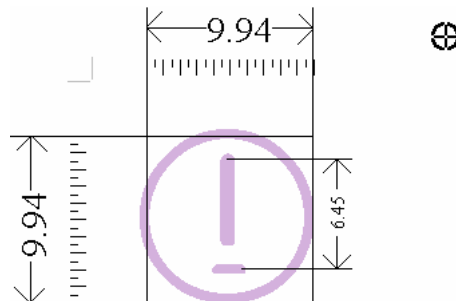
Symbol Explanation: cautionary area (e.g. ferry area) navigate with caution

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Called by CSP etc.: CSP RESARE03 Continuation D, E  
CSP RESCSP02 Continuation D

Pivot Point Column: 17.85  
Pivot Point Row: -6.00

Width of Bounding Box: 9.94  
Height of Bounding Box: 9.94






Symbol Colours:  TRFCF

Comments: Line weight 0.6 mm; circle diameter 9.94 mm

Examples on ENC: N/A

## References:

S57	INT 1	
MIPARE	N 30-33	(N 31) 
OSPARE	L 4	
SPLARE	N 13	
SUBTLN	N 33	

Symbol Name:

SY(CTYARE71)

RN: 93

Symbol Explanation: cautionary area with further information

Look up table affected: N/A

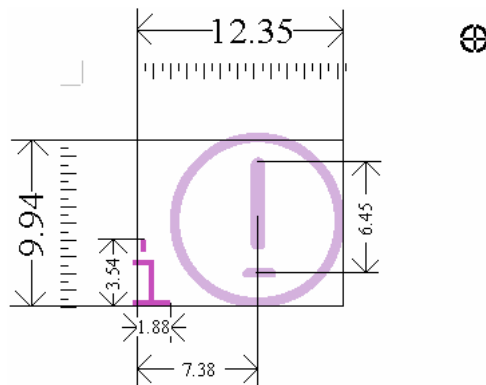
Called by CSP etc.: CSP RESARE03 Continuation D, E  
CSP RESCSP02 Continuation D

Pivot Point Column: 20.26

Pivot Point Row: -6.00

Width of Bounding Box: 12.35

Height of Bounding Box: 9.94



Symbol Colours:



TRFCF



CHMGD

Comments:

Line weight 0.6 mm; circle diameter 9.94 mm;

Line weight of "i" 0.3 mm;

The "i" at bottom left indicates that further information is available about the nature of the restriction.

Examples on ENC:

N/A

References:

S57

INT 1

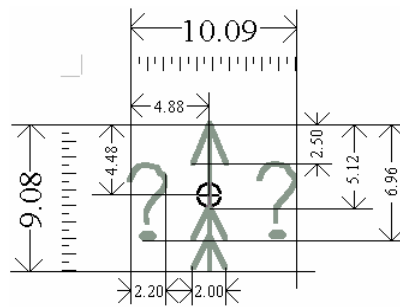
Symbol Name:	<b>SY(CURDEF01)</b>	RN: 94
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Symbol Explanation: current or tidal stream whose direction is not known

Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 4.88  
 Pivot Point Row: 4.48

Width of Bounding Box: 10.09  
 Height of Bounding Box: 9.08



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
TS_FEB	H 40, 41	(H 41)
		→

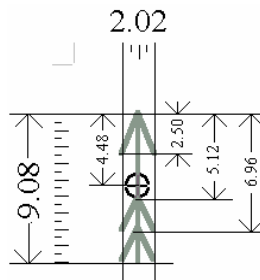
Symbol Name:	<b>SY(CURRENT01)</b>	RN: 95
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Symbol Explanation: non-tidal current

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 1.01  
Pivot Point Row: 4.48

Width of Bounding Box: 2.02  
Height of Bounding Box: 9.08




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
CURRENT	H 42, 43	(H 43) 2.5-4.5 in  Jan-mar (see note)

Symbol Name: SY(CURSRA02) RN: 96

Symbol Explanation: ordinary cursor

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.00

Pivot Point Row: 5.00

Width of Bounding Box: 10.00

Height of Bounding Box: 10.00

Symbol Colours: CURSR

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
cursor	IEC 61174 Annex E Section 5	

Symbol Name: SY(CURSRB02) RN: 97

Symbol Explanation: cursor with open centre

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.00

Pivot Point Row: 5.00

Width of Bounding Box: 10.00

Height of Bounding Box: 10.00

Symbol Colours: CURSR

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
cursor	IEC 61174 Annex E Section 5	



Symbol Name:	<b>SY(DANGER01)</b>	RN: 98
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Symbol Explanation: underwater hazard with a defined depth

Look up table affected: N/A

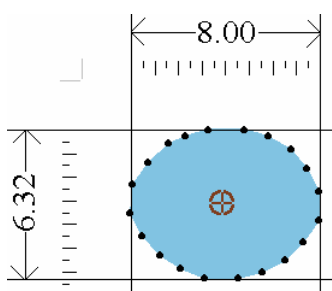
Called by CSP etc.: CSP OBSTRN05 Continuation A,  
CSP WRECKS03 Continuation A

Pivot Point Column: 3.95

Pivot Point Row: 3.18

Width of Bounding Box: 8.00

Height of Bounding Box: 6.32




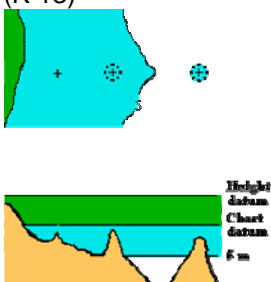

Symbol Colours:



Comments: Dot diameter 0.3 mm; 20 dots around the ellipse

Examples on ENC: N/A

References:

S57	INT 1	
OBSTRN	I 4; K 1, 16, 40, 41, 42	(K 41) 
UWTROC	K 13, 14.1, 14.2, 15, 16; O 27	(K 13) 
WRECKS	K 26, 27	(K 26) 

Symbol Name:	SY(DANGER02)	RN: 99
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Symbol Explanation: underwater hazard with depth greater than 20 metres

Look up table affected: N/A

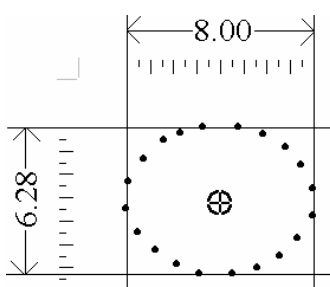
Called by CSP etc.: CSP OBSTRN05 Continuation A,  
CSP WRECKS03 Continuation A

Pivot Point Column: 4.05

Pivot Point Row: 3.28

Width of Bounding Box: 8.00

Height of Bounding Box: 6.28


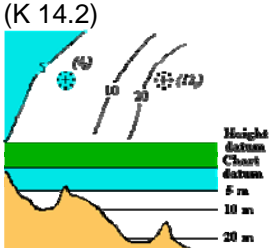



Symbol Colours:  CHBLK

Comments: Dot diameter 0.3 mm; 20 dots around the ellipse

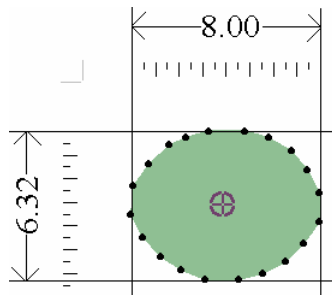
Examples on ENC: N/A

#### References:

S57		INT 1
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2, 43; Q 42	(K 41) 
UWTROC	K 11, 14.1, 14.2, 15; O 27	(K 14.2) 
WRECKS	K 26, 27, 30	(K 27) 

Symbol Name:	<b>SY(DANGER03)</b>	RN: 525
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Symbol Explanation: underwater hazard which covers and uncovers  
 Look up table affected: N/A  
 Called by CSP etc.: CSP OBSTRN05 Continuation A  
 Pivot Point Column: 3.95  
 Pivot Point Row: 3.18  
 Width of Bounding Box: 8.00  
 Height of Bounding Box: 6.32



Symbol Colours:  DEPIT  
 CHBLK

Comments: Dot diameter 0.3 mm; 20 dots around the ellipse

Examples on ENC: N/A

References:

S57	INT 1	
UWTROC	K 11, 12	(K 11) 

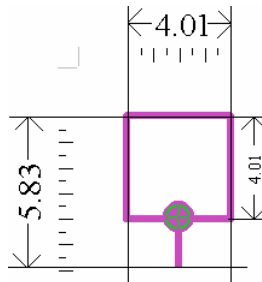
Symbol Name:	SY(DAYSQR01)	RN: 100
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Symbol Explanation: square or rectangular day mark, simplified

Look up table affected: simplified point symbols

Pivot Point Column: 2.04  
Pivot Point Row: 3.99

Width of Bounding Box: 4.01  
Height of Bounding Box: 5.83




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; point diameter 1.3 mm

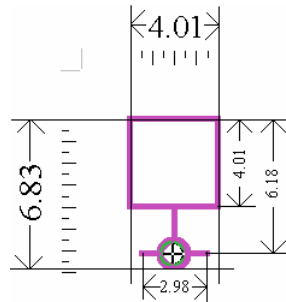
Examples on ENC: N/A

References:

S57	INT 1	
DAYMAR	Q 101	

Symbol Name:	SY(DAYSQR21)	RN: 101
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Symbol Explanation: square or rectangular day mark, paper chart  
 Look up table affected: paper chart point symbols  
 Pivot Point Column: 1.98  
 Pivot Point Row: 6.20  
 Width of Bounding Box: 4.01  
 Height of Bounding Box: 6.83




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 1.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
DAYMAR	Q 101	 MK

Symbol Name:

SY(DAYTRI01)

RN: 102

Symbol Explanation: triangular day mark, point up, simplified

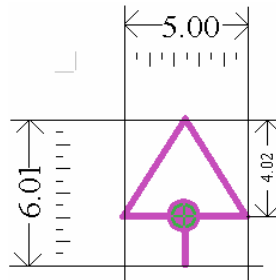
Look up table affected: simplified point symbols

Pivot Point Column: 2.49

Pivot Point Row: 4.01

Width of Bounding Box: 5.00

Height of Bounding Box: 6.01



Symbol Colours:



CHMGD


Comments:

Line weight 0.3 mm; point diameter 1.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
DAYMAR	Q 101	

Symbol Name:

SY(DAYTRI05)

RN: 103

Symbol Explanation: triangular day mark, point down, simplified

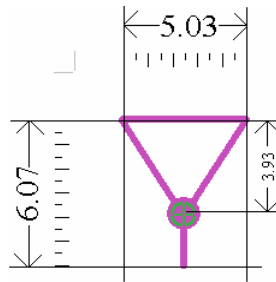
Look up table affected: simplified point symbols

Pivot Point Column: 2.50

Pivot Point Row: 3.95

Width of Bounding Box: 5.03

Height of Bounding Box: 6.07



Symbol Colours:



CHMGD


Comments:

Line weight 0.3 mm; point diameter 1.3 mm

Examples on ENC:

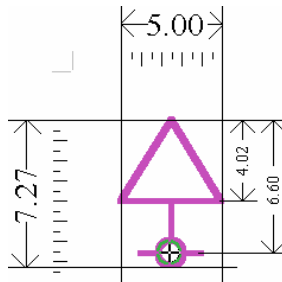
N/A

References:

S57	INT 1	
DAYMAR	Q 101	

Symbol Name:	SY(DAYTRI21)	RN: 104
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Symbol Explanation:           triangular day mark, point up, paper chart  
 Look up table affected:       paper chart point symbols  
 Pivot Point Column:           2.48  
 Pivot Point Row:               6.63  
 Width of Bounding Box:       5.00  
 Height of Bounding Box:      7.27




Symbol Colours:                 CHMGD

Comments:                       Line weight 0.3 mm; circle diameter 1.3 mm

Examples on ENC:               N/A

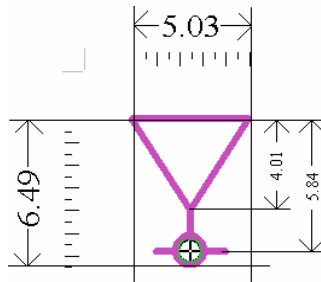
References:


S57	INT 1
DAYMAR	Q 101 




Symbol Name:	SY(DAYTRI25)	RN: 105
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Symbol Explanation:           triangular day mark, point down, paper chart  
 Look up table affected:       paper chart point symbols  
 Pivot Point Column:           2.51  
 Pivot Point Row:               5.86  
 Width of Bounding Box:       5.03  
 Height of Bounding Box:       6.49



Symbol Colours:                 CHMGD  
 Comments:                      Line weight 0.3 mm; circle diameter 1.3 mm  
 Examples on ENC:              N/A

References:

S57	INT 1	
DAYMAR	Q 101	 MK

Symbol Name:

SY(DIRBOY01)

RN: 521

Symbol Explanation: direction of buoyage

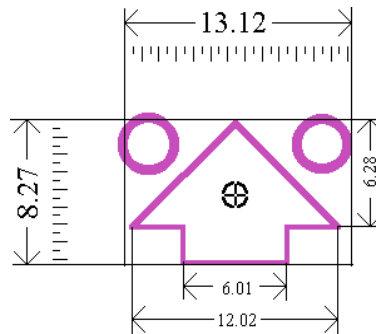
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.50

Pivot Point Row: 30.43

Width of Bounding Box: 13.12

Height of Bounding Box: 8.27



Symbol Colours:



CHMGD

Comments:



Arrow line weight 0.3 mm;

Circle line weight 0.6 mm; circle diameter 3.0 mm

Examples on ENC:

N/A

References:

S57	INT 1	
M_NSYS	Q 130.1, 130.2	(Q 130.2)  The direction of buoyage is that taken when approaching a harbour from seaward or, along coasts, the direction determined by buoyage authorities, normally clockwise around land masses.   Symbol showing direction of buoyage where not obvious   Symbol showing direction of buoyage on multicoloured charts

Symbol Name:

SY(DIRBOYA1)

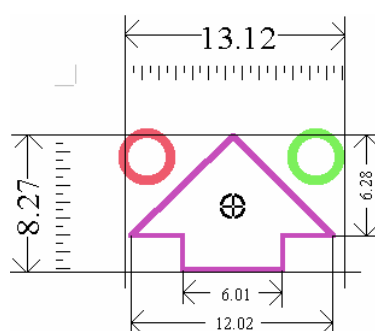
RN: 106

Symbol Explanation: direction and colour of buoyage for approaching harbour in IALA region A (red to port)

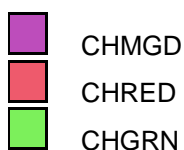
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.50  
Pivot Point Row: 30.43

Width of Bounding Box: 13.12  
Height of Bounding Box: 8.27



Symbol Colours:





CHMGD  
CHRED  
CHGRN

Comments: Arrow line weight 0.3 mm;  
Circle line weight 0.6 mm; circle diameter 3.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
M_NSYS	Q 130.1, 130.2	(Q 130.2) The direction of buoyage is that taken when approaching a harbour from seaward or, along coasts, the direction determined by buoyage authorities, normally clockwise around land masses.  Symbol showing direction of buoyage where not obvious  Symbol showing direction of buoyage on multicoloured charts

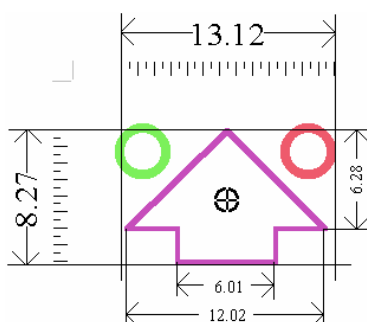
Symbol Name:	SY(DIRBOYB1)	RN: 107
--------------	--------------	---------

Symbol Explanation: direction and colour of buoyage for approaching harbour in IALA region B (green to port)

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.50  
Pivot Point Row: 30.43

Width of Bounding Box: 13.12  
Height of Bounding Box: 8.27





Symbol Colours:

	CHMGD
	CHGRN
	CHRED

Comments: Arrow line weight 0.3 mm;  
Circle line weight 0.6 mm; circle diameter 3.0 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
M_NSYS	Q 130.1, 130.2	(Q 130.2)  The direction of buoyage is that taken when approaching a harbour from seaward or, along coasts, the direction determined by buoyage authorities, normally clockwise around land masses.   Symbol showing direction of buoyage where not obvious   Symbol showing direction of buoyage on multicoloured charts

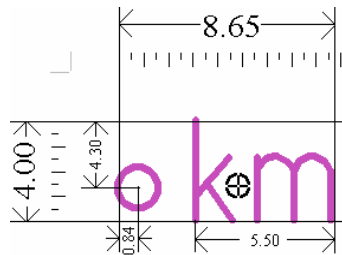
Symbol Name:	SY(DISMAR03)	RN: 108
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Symbol Explanation: distance mark

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 4.90  
Pivot Point Row: 2.62

Width of Bounding Box: 8.65  
Height of Bounding Box: 4.00

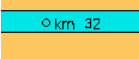
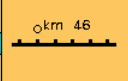


Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 1.68 mm

Examples on ENC: N/A

## References:

S57	INT 1		
DISMAR	F 40		

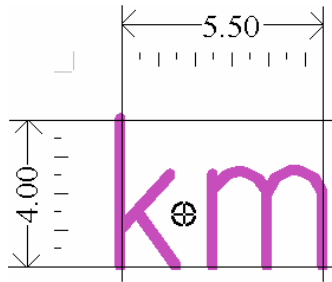
Symbol Name:	SY(DISMAR04)	RN: 109
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Symbol Explanation: distance point with no mark

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.75  
Pivot Point Row: 2.62

Width of Bounding Box: 5.50  
Height of Bounding Box: 4.00

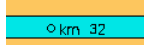
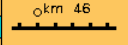


Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1		
DISMAR	F 40		

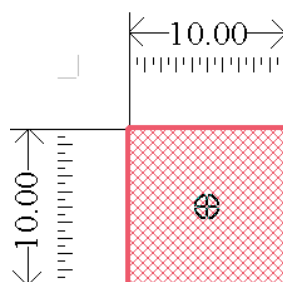
Symbol Name:	SY(DNGHILIT)	RN: 110
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Symbol Explanation: transparent danger highlight for mariner's use

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.00  
Pivot Point Row: 5.00

Width of Bounding Box: 10.00  
Height of Bounding Box: 10.00



Symbol Colours:  DNGHL

Comments: Outline weight 0.30.9 mm; area transparency 75%

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
dnghlt	IEC 61174 Annex E Section 14	

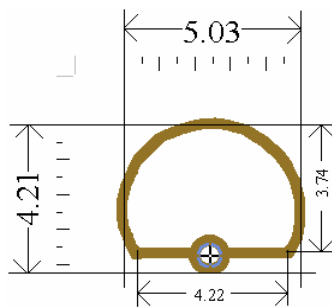
Symbol Name:	<b>SY(DOMES001)</b>	RN: 111
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Symbol Explanation: dome

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.49  
Pivot Point Row: 3.80

Width of Bounding Box: 5.03  
Height of Bounding Box: 4.21



Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; circle diameter 0.86 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 10.4, 30.4	<p>(E 10.4)</p> <p>(E 30.4)</p>



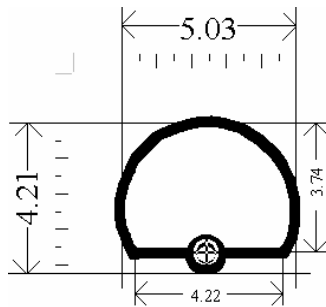
Symbol Name:	SY(DOMES011)	RN: 112
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Symbol Explanation: conspicuous dome

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.48  
Pivot Point Row: 3.71

Width of Bounding Box: 5.03  
Height of Bounding Box: 4.21



Symbol Colours:  CHBLK

Comments: Line weight ~~0.3~~0.6 mm; circle diameter 0.86 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 2, 10.4, 30.4	<p>(E 10.4)</p> <p>(E 30.4)</p>

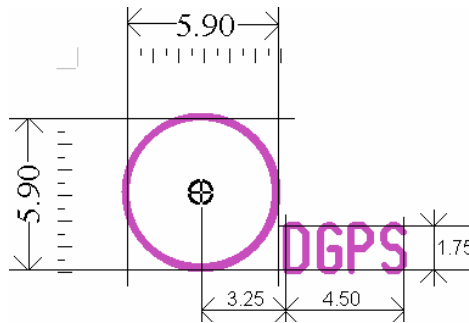
Symbol Name:	<b>SY(DRFSTA01)</b>	RN: 587
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Symbol Explanation: DGPS reference station

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.00  
Pivot Point Row: 3.00

Width of Bounding Box: 10.75  
Height of Bounding Box: 6.00




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 5.9 mm

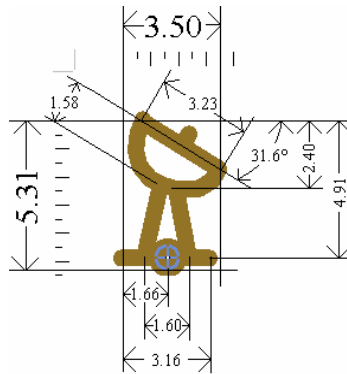
Examples on ENC: N/A

References:

S57	INT 1	
RDOSTA	S 51	(S 10) 

Symbol Name:	SY(DSHAER01)	RN: 113
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Symbol Explanation: dish aerial  
 Look up table affected: paper chart point symbols  
 Pivot Point Column: 1.66  
 Pivot Point Row: 4.91  
 Width of Bounding Box: 3.50  
 Height of Bounding Box: 5.31



Symbol Colours:  LANDF

Comments: Line weight 0.60,3 mm; circle diameter 0.8 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 31	⊗

Symbol Name:

SY(DSHAER11)

RN: 114

Symbol Explanation: conspicuous dish aerial

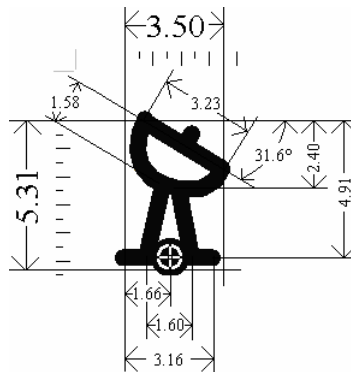
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.66

Pivot Point Row: 4.91

Width of Bounding Box: 3.50

Height of Bounding Box: 5.31



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm; circle diameter 0.8 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LNDMRK	E 2, 31	§

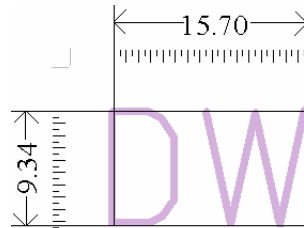
Symbol Name:	SY(DWRTPT51)	RN: 115
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Symbol Explanation: part of deep water route

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 7.26  
Pivot Point Row: 17.34

Width of Bounding Box: 15.70  
Height of Bounding Box: 9.34



Symbol Colours:  TRFCF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
DWRTPT	M 27.1-2

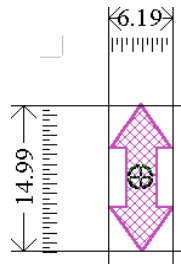
Symbol Name:	<b>SY(DWRUTE51)</b>	RN: 522
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Symbol Explanation: reciprocal traffic directions in a two-way part of a deep-water route

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.06  
Pivot Point Row: 7.50

Width of Bounding Box: 6.19  
Height of Bounding Box: 14.99



Symbol Colours:  TRFCD

Comments: Outline weight 0.3 mm; area transparency 75%

Examples on ENC: N/A

References:

S57	INT 1
DWRTPT	M 27.1-2

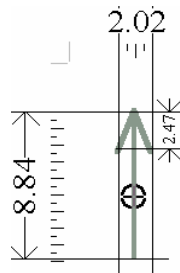
Symbol Name:	SY(EBBSTR01)	RN: 116
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Symbol Explanation: ebb stream, rate at spring tides

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 1.01  
Pivot Point Row: 5.19

Width of Bounding Box: 2.02  
Height of Bounding Box: 8.84



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
TS_FEB	H 40-41	(H 41)
		→

Symbol Name:

SY(**EBLVRM11**)

RN: 117

Symbol Explanation: point of origin for an offset EBL or VRM

Look up table affected: N/A

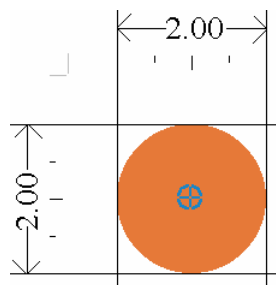
Called by CSP etc.: CSP VRMEBL01

Pivot Point Column: 1.00

Pivot Point Row: 1.00

Width of Bounding Box: 2.00

Height of Bounding Box: 2.00



Symbol Colours:



NINFO

Comments: N/A

Examples on ENC: N/A

References:

S57	INT 1
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Symbol Name:	SY(ENTRES51)	RN: 118
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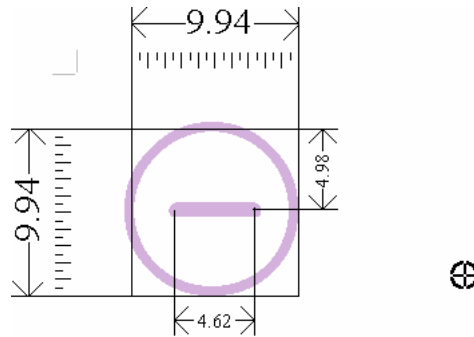
Symbol Explanation: area where entry is prohibited or restricted or to be avoided

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation A,  
CSP RESCSP02 Continuation A

Pivot Point Column: 19.89  
Pivot Point Row: 8.75

Width of Bounding Box: 9.94  
Height of Bounding Box: 9.94




Symbol Colours:  TRFCF

Comments: Line weight 0.9 mm;  
Circle line weight 0.6 mm; circle diameter 9.94 mm

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	M 29.2 N 2.1, 2.2	(N 2.2) 

Symbol Name:	SY(ENTRES61)	RN: 119
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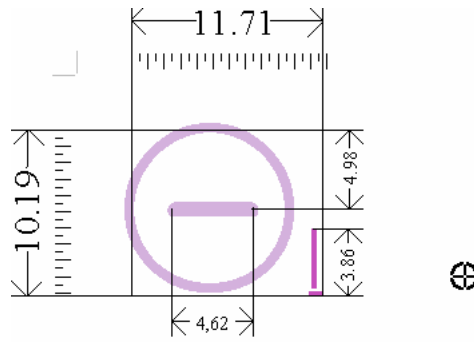
Symbol Explanation: area where entry is prohibited or restricted or to be avoided, with other cautions

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation A, CSP RESCSP02 Continuation A

Pivot Point Column: 19.89  
Pivot Point Row: 8.75

Width of Bounding Box: 11.71  
Height of Bounding Box: 10.19




Symbol Colours:

- TRFCF
- CHMGD

Comments: Line weight 0.9 mm;  
Circle line weight 0.6 mm; circle diameter 9.94 mm;  
Exclamation mark line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	L 3; M 29.1, 29.2; N 31, 34	(N 34) 

Symbol Name:	SY(ENTRES71)	RN: 120
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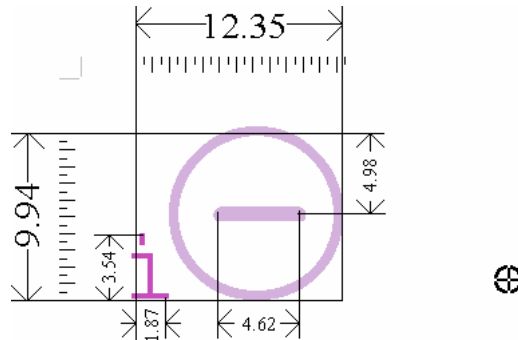
Symbol Explanation: area where entry is prohibited or restricted or to be avoided, with other information

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation A, CSP RESCSP02 Continuation A

Pivot Point Column: 22.30  
Pivot Point Row: 8.75

Width of Bounding Box: 12.35  
Height of Bounding Box: 9.94




Symbol Colours:

- TRFCF
- CHMGD

Comments: Line weight 0.9 mm;  
Circle line weight 0.6 mm; circle diameter 9.94 mm;  
Line weight of "i" 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 2.2	

Symbol Name:	SY( <b>ERBLTIK2</b> )	RN: 124
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Symbol Explanation: range mark for an ERBL

Look up table affected: N/A

Called by CSP etc.: CSP VRMEBL04

Pivot Point Column: 6.13

Pivot Point Row: 0.00

Width of Bounding Box: 12.26

Height of Bounding Box: 1.27

Symbol Colours: NINFO

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT 4
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Symbol Name:

SY(ESSARE01)

RN: 585

Symbol Explanation: ESSA - centred symbol

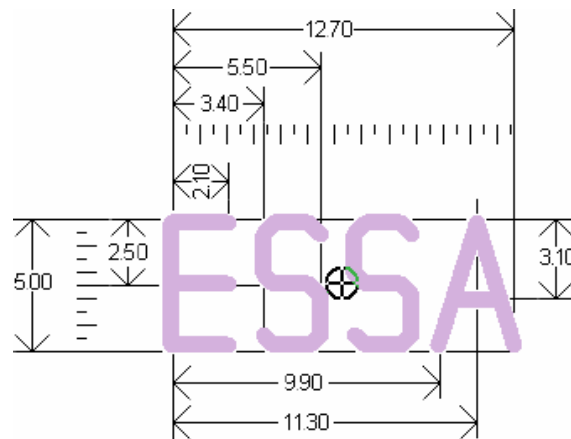
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.35

Pivot Point Row: 6.35

Width of Bounding Box: 12.70

Height of Bounding Box: 5.00

Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

## References:

S57 E3.1.1	INT 1	
RESARE, CATREA 27	N22	

Symbol Name: SY(EVENTS03) RN: 122

Symbol Explanation: mariner's event mark

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.50

Pivot Point Row: 2.50

Width of Bounding Box: 5.00

Height of Bounding Box: 5.00

Symbol Colours: NINFO

Comments: Line weight 0.3 mm; point diameter 1.00 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
events	IEC 61174 Annex E Section 6	

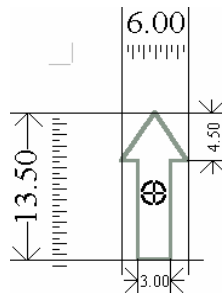
Symbol Name:	SY(FAIRWY51)	RN: 123
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Symbol Explanation: fairway with one-way traffic in direction indicated

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.00  
Pivot Point Row: 7.50

Width of Bounding Box: 6.00  
Height of Bounding Box: 13.50



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
FAIRWY	not specified

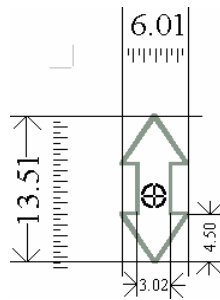
Symbol Name:	SY(FAIRWY52)	RN: 124
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Symbol Explanation: fairway with two-way traffic

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.02  
Pivot Point Row: 7.51

Width of Bounding Box: 6.01  
Height of Bounding Box: 13.51



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

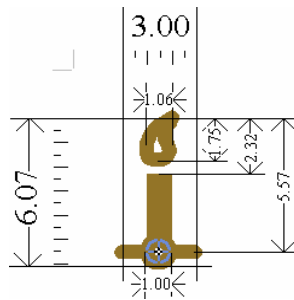
References:

S57	INT 1
FAIRWY	not specified



Symbol Name:	SY(FLASTK01)	RN: 125
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Symbol Explanation: flare stack  
 Look up table affected: paper chart point symbols  
 simplified point symbols  
 Pivot Point Column: 1.50  
 Pivot Point Row: 5.57  
 Width of Bounding Box: 3.00  
 Height of Bounding Box: 6.07





Symbol Colours:  LANDF

Comments: Line weight 0.60.3 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 23; L 11	(E 23)  (L 11) 
PRDARE	G 87	

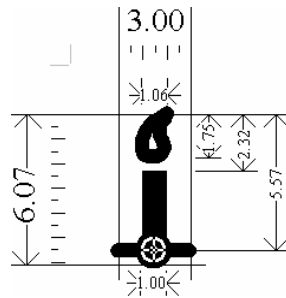
Symbol Name:	SY(FLASTK11)	RN: 126
--------------	--------------	---------

Symbol Explanation: conspicuous flare stack

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 5.57

Width of Bounding Box: 3.00  
Height of Bounding Box: 6.07





Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 2, 23; L 11	(E 23)  (L 11) 
PRDARE	G 87	

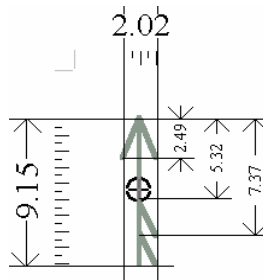
Symbol Name:	SY(FLDSTR01)	RN: 127
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Symbol Explanation: flood stream, rate at spring tides

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 1.01  
Pivot Point Row: 4.48

Width of Bounding Box: 2.02  
Height of Bounding Box: 9.15




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
TS_FEB	H 40 

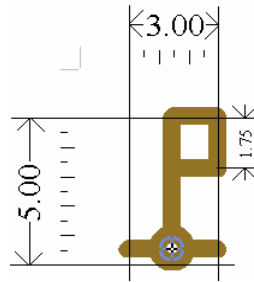
Symbol Name:	SY(FLGSTF01)	RN: 128
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Symbol Explanation: flagstaff, flagpole

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 4.50

Width of Bounding Box: 3.00  
Height of Bounding Box: 5.00



Symbol Colours:  LANDF

Comments: Line weight 0.6 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1		
LNDMRK	E 27	F	FS

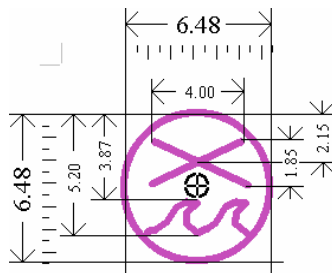
Symbol Name:	SY( <b>FLTHAZ02</b> )	RN: 524
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Symbol Explanation: Floating hazard to navigation

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 3.24  
Pivot Point Row: 3.20

Width of Bounding Box: 6.48  
Height of Bounding Box: 6.48




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 6.48 mm

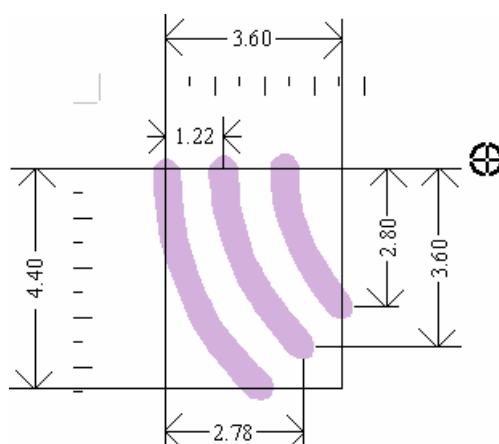
Examples on ENC: N/A

References:

S57	INT 1	
LOGPON	N 61	
OBSTRN	G 178	

Symbol Name:	SY(FOGSIG01)	RN: 129
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Symbol Explanation: fog signal  
 Look up table affected: paper chart point symbols  
 simplified point symbols  
 Pivot Point Column: 6.50  
 Pivot Point Row: -0.10  
 Width of Bounding Box: 3.60  
 Height of Bounding Box: 4.40





Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
FOGSIG	R 1, 10-16, 20-22 (R 1)  (R 22) 

Symbol Name:

SY(FORSTC01)

RN: 130

Symbol Explanation: fortified structure

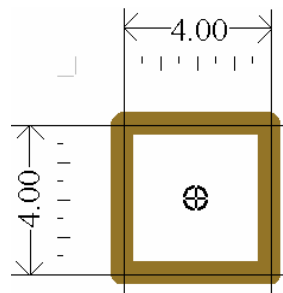
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



LANDF


Comments:

Line weight ~~0.6~~0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
FORSTC	E 34.1-3	(E 34.1) 

Symbol Name:

SY(FORSTC11)

RN: 131

Symbol Explanation: conspicuous fortified structure

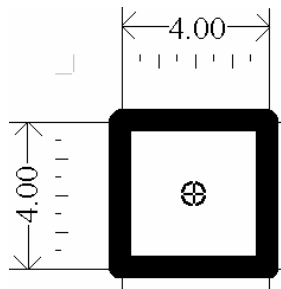
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



CHBLK


Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
FORSTC	E 2, 34.1-3	(E 34.1)
		



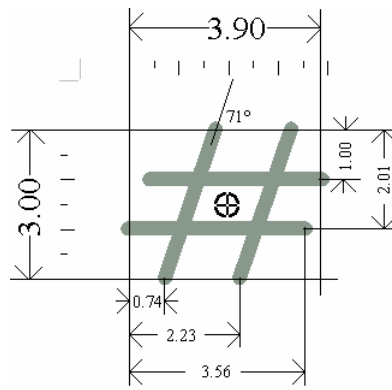
Symbol Name:	<b>SY(FOULGND1)</b>	RN: 132
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Symbol Explanation: foul area of seabed safe for navigation but not for anchoring

Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 2.01  
 Pivot Point Row: 1.54

Width of Bounding Box: 3.90  
 Height of Bounding Box: 3.00



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
OBSTRN	K 31 L 22	(L 22) #
WRECKS	K 31	# <span style="border: 1px dashed black; padding: 2px;">Foul</span>

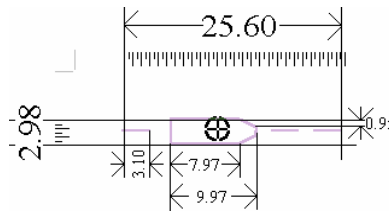
Symbol Name:	SY(FRYARE51)	RN: 133
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Symbol Explanation: ferry area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 11.18  
Pivot Point Row: 1.35

Width of Bounding Box: 25.60  
Height of Bounding Box: 2.98




Symbol Colours:  CHMGF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FERYRT	M 50, 51	(M 50) 

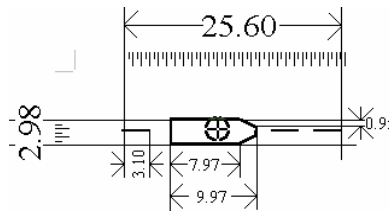
Symbol Name:	SY(FRYARE52)	RN: 134
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Symbol Explanation: cable ferry area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 11.18  
Pivot Point Row: 1.35

Width of Bounding Box: 25.60  
Height of Bounding Box: 2.98



Symbol Colours:  CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FERYRT	M 50, 51	(M 51) ----- Cable Ferry

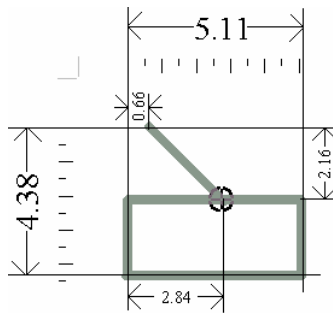
Symbol Name:	SY(FSHFAC02)	RN: 135
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Symbol Explanation: fish trap, fish weir, tunny net

Look up table affected: paper chart point symbols  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 2.80  
Pivot Point Row: 2.15

Width of Bounding Box: 5.11  
Height of Bounding Box: 4.38






Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FSHFAC	K 44.2, 45	(K 44.2)  (K 45)  

Symbol Name:	SY(FSHFAC03)	RN: 136
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Symbol Explanation: fish stakes

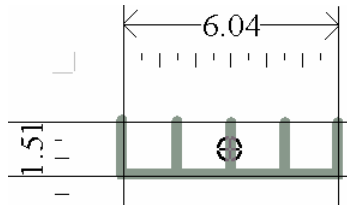
Look up table affected: paper chart point symbols  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 3.02

Pivot Point Row: 0.81

Width of Bounding Box: 6.04

Height of Bounding Box: 1.51



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FSHFAC	K 44.1	

Symbol Name:

SY(FSHGRD01)

RN: 137

Symbol Explanation: fishing ground

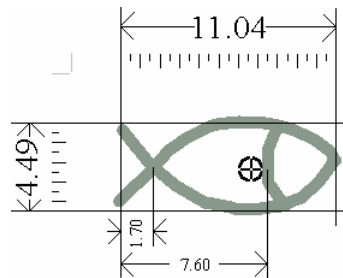
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.75

Pivot Point Row: 2.44

Width of Bounding Box: 11.04

Height of Bounding Box: 4.49

Symbol Colours:  CHGRD

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
FSHGRD	not specified

Symbol Name:

SY(FSHHAV01)

RN: 138

Symbol Explanation: fish haven

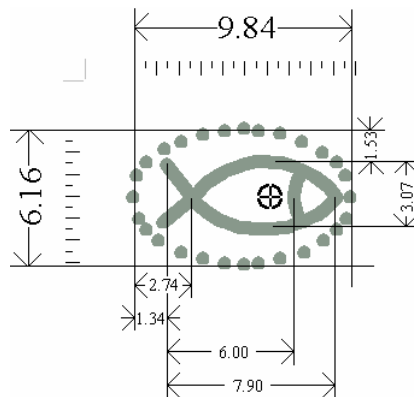
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 6.25

Pivot Point Row: 3.10

Width of Bounding Box: 9.84

Height of Bounding Box: 6.16



Symbol Colours:



CHGRD

Comments:

Line weight 0.6 mm

Dot diameter 0.6 mm; 28 dots around the ellipse

Examples on ENC:

N/A

References:

S57	INT 1	
FSHFAC		
OBSTRN	K 46.1, 46.2	(K 46.1)

Symbol Name:	SY(FSHRES51)	RN: 139
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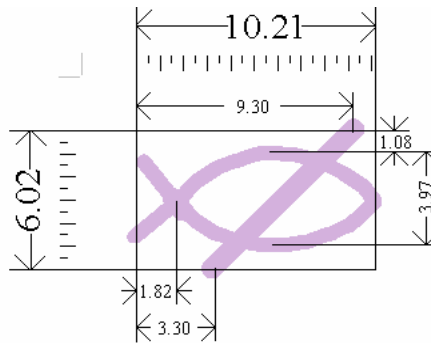
Symbol Explanation: area where fishing or trawling is prohibited or restricted

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation C,  
CSP RESCSP02 Continuation C

Pivot Point Column: -10.48  
Pivot Point Row: 10.15

Width of Bounding Box: 10.21  
Height of Bounding Box: 6.02



Symbol Colours:  CHMGF

Comments: Fish line weight 0.6 mm; bar line weight 0.9 mm

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 21	



Symbol Name:	SY(FSHRES61)	RN: 140
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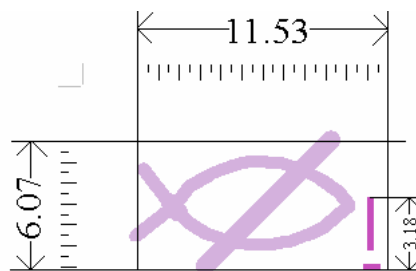
Symbol Explanation: area where fishing or trawling is prohibited or restricted, with other cautions

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation C,  
CSP RESCSP02 Continuation C

Pivot Point Column: -10.48  
Pivot Point Row: 10.15

Width of Bounding Box: 11.53  
Height of Bounding Box: 6.07



Symbol Colours:

- CHMGF
- CHMGD

Comments: Fish line weight 0.6 mm; bar line weight 0.9 mm;  
Exclamation mark line weight 0.3 mm;  
Other symbol dimensions like SY(FSHRES51)

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 2.1, 25, 34	(N 2.1)

Symbol Name:	SY(FSHRES71)	RN: 141
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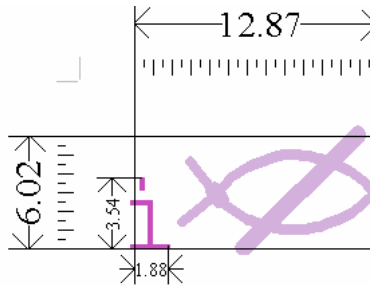
Symbol Explanation: area where fishing or trawling is prohibited or restricted, with other information

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation C,  
CSP RESCSP02 Continuation C

Pivot Point Column: -7.82  
Pivot Point Row: 10.15

Width of Bounding Box: 12.87  
Height of Bounding Box: 6.02




Symbol Colours:

- CHMGF
- CHMGD

Comments: Fish line weight 0.6 mm; bar line weight 0.9 mm;  
Line weight of "i" 0.3 mm;  
Other symbol dimensions like SY(FSHRES51)

Examples on ENC: N/A

References:

S57	INT 1
RESARE	N 2.1 

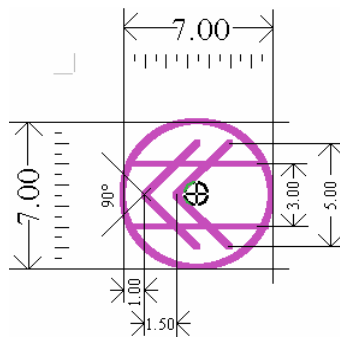
Symbol Name:	SY(GATCON03)	RN: 142
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Symbol Explanation: navigable lock gate

Look up table affected: line symbols  
paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.50  
Pivot Point Row: 3.50

Width of Bounding Box: 7.00  
Height of Bounding Box: 7.00



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm  
Circle diameter 7.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
GATCON	F 41.1, 41.2	(F 41.1)

Symbol Name:	<b>SY(GATCON04)</b>	RN: 143
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Symbol Explanation: non-navigable lock gate

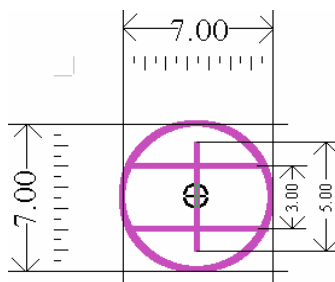
Look up table affected: line symbols  
paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.50

Pivot Point Row: 3.50

Width of Bounding Box: 7.00

Height of Bounding Box: 7.00




Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
GATCON	F 42, 43	(F 42) 

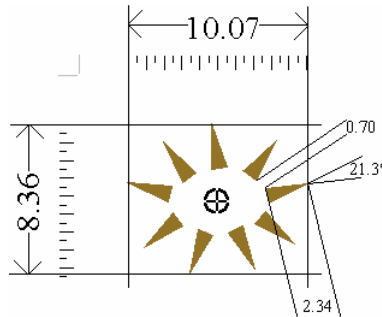
Symbol Name:	<b>SY(HILTOP01)</b>	RN: 144
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Symbol Explanation: hill or mountain top

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.08  
Pivot Point Row: 4.39

Width of Bounding Box: 10.07  
Height of Bounding Box: 8.36





Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; 9 triangles around the ellipse

Examples on ENC: N/A

References:

S57	INT 1	
SLOGRD	C 4, 8; D 14,15; E 35.1; G 27	(C 4) 
SLOTOP	C 3, 4, 8; D 14,15; E 35.1; G 22	(E 35.1) 

Symbol Name:

SY(HILTOP11)

RN: 145

Symbol Explanation: conspicuous hill or mountain top

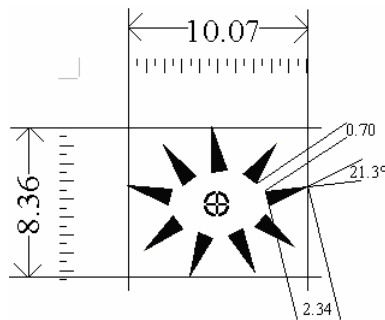
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.08

Pivot Point Row: 4.39

Width of Bounding Box: 10.07

Height of Bounding Box: 8.36



Symbol Colours:





CHBLK

Comments: Line weight 0.30.6 mm; 9 triangles around the ellipse

Examples on ENC: N/A

References:

S57	INT 1	
SLOGRD	C 4, 8; D 14,15; E 35.1; G 27	(C 4) 
SLOTOP	C 3, 4, 8; D 14,15; E 35.1; G 22	(C 3) 

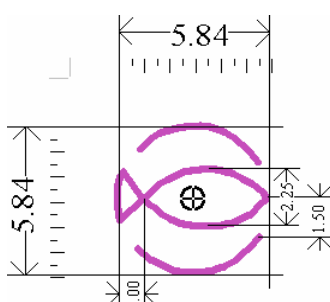
Symbol Name:	SY(HRBFAC09)	RN: 146
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Symbol Explanation: fishing harbour

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 2.97  
Pivot Point Row: 2.91

Width of Bounding Box: 5.84  
Height of Bounding Box: 5.84




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; diameter of the half circles 5.84 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
HRBFAC	F 10	

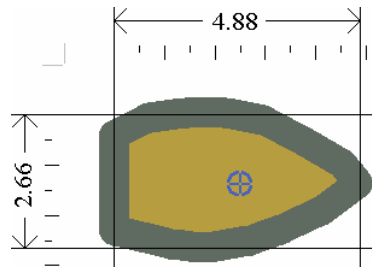
Symbol Name:	SY(HULKES01)	RN: 147
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Symbol Explanation: hulk

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.54  
Pivot Point Row: 1.41

Width of Bounding Box: 4.88  
Height of Bounding Box: 2.66




Symbol Colours:

- CSTLN
- CHBRN

Comments: Outline weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
HULKES	F 34	



Symbol Name:	SY(INFARE51)	RN: 148
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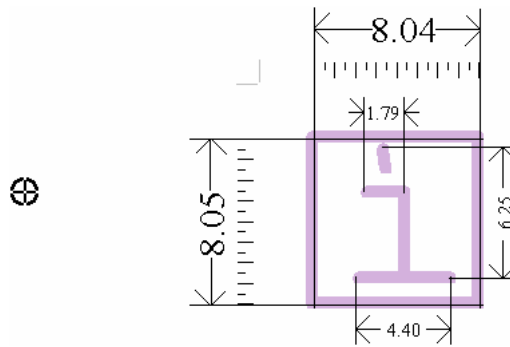
Symbol Explanation: area with minor restrictions or information notices

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Called by CSP etc.: CSP RESARE03,  
CSP RESARE03 Continuation E,  
CSP RESCSP02

Pivot Point Column: -13.96  
Pivot Point Row: 2.55

Width of Bounding Box: 8.04  
Height of Bounding Box: 8.05




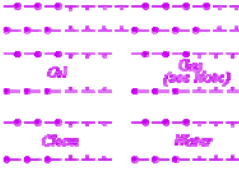



Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57		INT 1
CTSARE	N 64	 Cargo Transport Area
DMPGRD	N 23, 24, 62.1, 62.2	(N 24)  Dumping Ground for Chemical waste
ICNARE	N 65	 Incineration Area
PIPARE	L 40.2, 41.2	 Oil (see Note) Gas (see Note) Clean Water
RESARE	N 22, 26	(N 26)  Historic Wt

<u>Symbol Name:</u>	<u>SY(INDHLT01)</u>	<u>RN: 594</u>
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Symbol Explanation: indication highlight for mariner's use

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 15.00

Pivot Point Row: 15.00

Width of Bounding Box: 11.74

Height of Bounding Box: 11.74



Symbol Colours:  BKAJ1

 CHYLW

Comments: Line weight 0.6 mm (CHYLW); with 0.3 mm outline (BKAJ1)  
See PresLib section 10.5.9 and 10.5.10

Examples on ENC: N/A

References:

<u>S57</u>	<u>INT 1</u>
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Symbol Name:

SY(INFORM01)

RN: 149

Symbol Explanation: this object has additional information available by cursor query

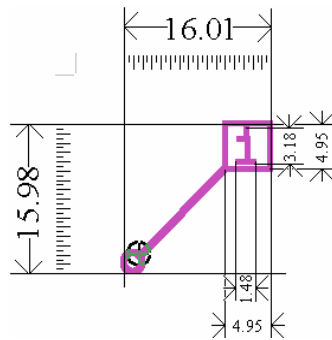
Look up table affected: N/A

Pivot Point Column: 1.83

Pivot Point Row: 14.05

Width of Bounding Box: 16.01

Height of Bounding Box: 15.98



Symbol Colours:



CHMGD

Comments:

Line weight 0.6 mm; circle diameter 2.16 mm  
See PresLib section 8.6.1.1

Examples on ENC:

N/A

References:

S57	INT 1
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Symbol Name: SY(CHDATD01) RN: 591

Symbol Explanation: This object is a date dependent by attribute DATSTA, DATEND, PERSTA and/or PEREND

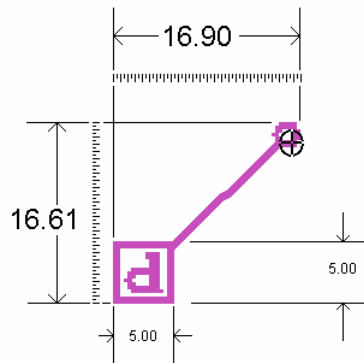
Look up table affected: N/A

Pivot Point Column: 15.48

Pivot Point Row: 1.42

Width of Bounding Box: 16.90

Height of Bounding Box: 16.61



Symbol Colours:  CHMGD

Comments: Line weight 0.6 mm; circle diameter 2.2 mm  
See PresLib section 10.4.1

Examples on ENC: N/A

References: \_\_\_\_\_

<u>S57</u>	<u>INT 1</u>
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Symbol Name:

SY(ISODGR01)

RN: 150

Symbol Explanation: isolated danger of depth less than the safety contour

Look up table affected: N/A

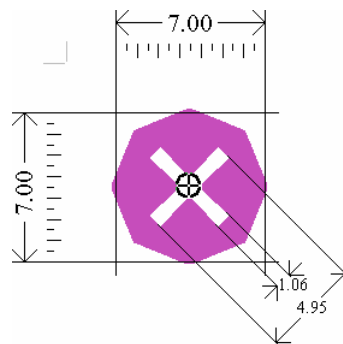
Called by CSP etc.: CSP UDWHAZ04

Pivot Point Column: 3.50

Pivot Point Row: 3.50

Width of Bounding Box: 7.00

Height of Bounding Box: 7.00

Symbol Colours:  ISDNG

Comments: IMO PS App.2 1.3

Examples on ENC: N/A

## References:

S57	INT 1	
OBSTRN	I 2, 4; K 1, 31, 40-43.2, 46.1, 46.2; L 20, 21.1-21.3, 22, 43	(I 2) 
UWTROC	K 11, 13-14.2, 16; O 27	(K 11)  
WRECKS	K 26-31	(K 26) 

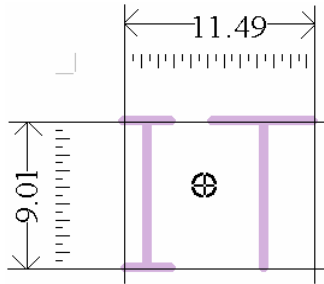
Symbol Name:	<b>SY(ITZARE51)</b>	RN: 151
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Symbol Explanation: area of inshore traffic

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 4.96  
Pivot Point Row: 4.00

Width of Bounding Box: 11.49  
Height of Bounding Box: 9.01




Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
ISTZNE	M 14, 25.1, 25.2	(M 14) 

Symbol Name:	SY(LIGHTS11)	RN: 152
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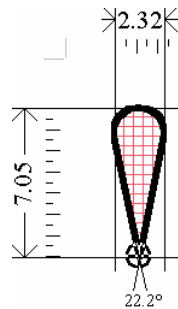
Symbol Explanation: light flare, red

Look up table affected: N/A

Called by CSP etc.: CSP LIGHTS05 Continuation A  
CSP LIGHTS05 Continuation B

Pivot Point Column: 1.20  
Pivot Point Row: 7.05

Width of Bounding Box: 2.32  
Height of Bounding Box: 7.05



Symbol Colours:

- LITRD
- OUTLW

Comments: Outline weight 0.3 mm; arc diameter 2.32 mm  
Transparency 50%

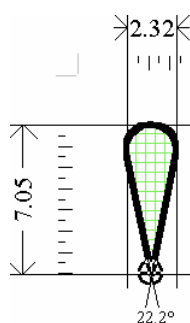
Examples on ENC: N/A

References:

S57	INT 1	
LIGHTS	G 117; P 1-6, 10.1-11, 11.2, 12-14, 16, 20.1, 30.1-30.3, 31, 40, 41, 43, 45-62, 65; Q 41; R 20, 22	(P 46) 

Symbol Name:	SY(LIGHTS12)	RN: 153
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Symbol Explanation:	light flare, green
Look up table affected:	N/A
Called by CSP etc.:	CSP LIGHTS05 Continuation A CSP LIGHTS05 Continuation B
Pivot Point Column:	1.20
Pivot Point Row:	7.05
Width of Bounding Box:	2.32
Height of Bounding Box:	7.05




Symbol Colours:	 LITGN
	 OUTLW

Comments:	Outline weight 0.3 mm; arc diameter 2.32 mm Transparency 50%
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Examples on ENC:	N/A
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## References:

S57	INT 1
LIGHTS	G 117; P 1-11, 11.3, 12-62, 65; Q 41; R 20, 22
	(P 21) 



Symbol Name:	<b>SY(LIGHTS13)</b>	RN: 154
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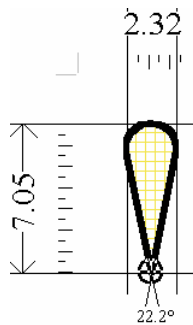
Symbol Explanation: light flare, white or yellow

Look up table affected: N/A

Called by CSP etc.: CSP LIGHTS05 Continuation A  
CSP LIGHTS05 Continuation B

Pivot Point Column: 1.20  
Pivot Point Row: 7.05

Width of Bounding Box: 2.32  
Height of Bounding Box: 7.05




Symbol Colours:

- LITYW
- OUTLW

Comments: Outline weight 0.3 mm; arc diameter 2.32 mm  
Transparency 50%

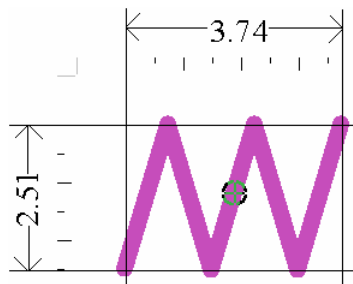
Examples on ENC: N/A

References:

S57	INT 1	
LIGHTS	G 117; P 1-11, 11.1, 11.6, 11.7, 11.8, 12-62, 65; Q 41, 130.3; R 20, 22	(Q 41) 

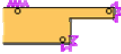
Symbol Name:	SY(LIGHTS81)	RN: 155
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Symbol Explanation: strip light  
 Look up table affected: N/A  
 Called by CSP etc.: CSP LIGHTS05  
 Pivot Point Column: 1.92  
 Pivot Point Row: 1.21  
 Width of Bounding Box: 3.74  
 Height of Bounding Box: 2.51



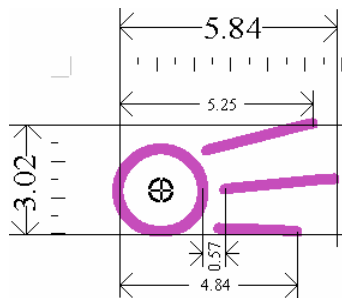
Symbol Colours:  CHMGD  
 Comments: Line weight 0.3 mm  
 Examples on ENC: N/A

References:

S57	INT 1	
LIGHTS	P 64	

Symbol Name:	SY(LIGHTS82)	RN: 156
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Symbol Explanation: floodlight  
 Look up table affected: N/A  
 Called by CSP etc.: CSP LIGHTS05  
 Pivot Point Column: 1.16  
 Pivot Point Row: 1.86  
 Width of Bounding Box: 5.84  
 Height of Bounding Box: 3.02



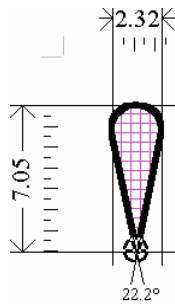
Symbol Colours:  CHMGD  
 Comments: Line weight 0.3 mm; circle diameter 2.32 mm  
 Examples on ENC: N/A

References:

S57	INT 1	
LIGHTS	G 70; P 63	(P 63)
		<span style="font-family: monospace;">(illuminat.ed)</span>

Symbol Name:	SY(LITDEF11)	RN: 157
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Symbol Explanation: light flare  
 Look up table affected: N/A  
 Called by CSP etc.: CSP LIGHTS05 Continuation A  
 CSP LIGHTS05 Continuation B  
 Pivot Point Column: 1.20  
 Pivot Point Row: 7.05  
 Width of Bounding Box: 2.32  
 Height of Bounding Box: 7.05




Symbol Colours:  CHMGD  
 OUTLW

Comments: Outline weight 0.3 mm; arc diameter 2.32 mm  
 Transparency 50%

Examples on ENC: N/A

References:

S57	INT 1	
LIGHTS	G 117; P 1-10, 11, 12-15, 20.1-20.3, 22-61.1, 62; Q 41; R 20, 22	(P 2) 

Symbol Name:

SY(LITFLT01)

RN: 158

Symbol Explanation: light float, paper-chart

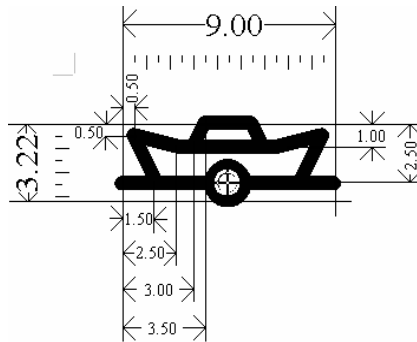
Look up table affected: paper chart point symbols

Pivot Point Column: 4.50

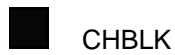
Pivot Point Row: 2.50

Width of Bounding Box: 9.00

Height of Bounding Box: 3.22



Symbol Colours:



CHBLK


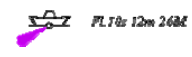
Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LITFLT	Q 30-31	(Q 30)  (Q 31) 

Symbol Name:

SY(LITFLT02)

RN: 159

Symbol Explanation: light float, simplified

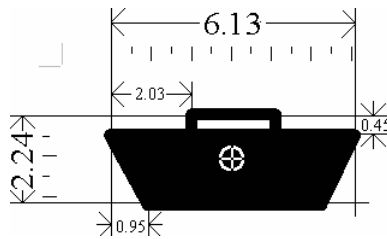
Look up table affected: simplified point symbols

Pivot Point Column: 3.07

Pivot Point Row: 1.12

Width of Bounding Box: 6.13

Height of Bounding Box: 2.24



Symbol Colours:



CHBLK


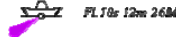
Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LITFLT	Q 30-31	(Q 30)  (Q 31) 

Symbol Name:	SY(LITVES01)	RN: 160
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Symbol Explanation: light vessel, paper-chart

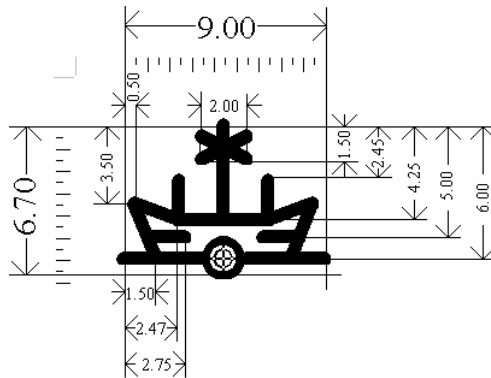
Look up table affected: paper chart point symbols

Pivot Point Column: 4.50

Pivot Point Row: 6.00

Width of Bounding Box: 9.00

Height of Bounding Box: 6.70




Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm; circle diameter 1.4 mm

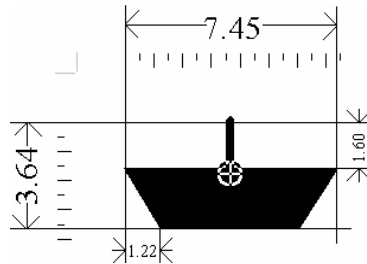
Examples on ENC: N/A

References:

S57	INT 1		
LITVES	P 6		LIT


Symbol Name:	SY(LITVES02)	RN: 161
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Symbol Explanation: light vessel, simplified  
 Look up table affected: simplified point symbols  
 Pivot Point Column: 3.72  
 Pivot Point Row: 1.82  
 Width of Bounding Box: 7.45  
 Height of Bounding Box: 3.64



Symbol Colours:  CHBLK  
 Comments: Line weight 0.3 mm  
 Examples on ENC: N/A

References:

S57	INT 1		
LITVES	P 6		LIT



Symbol Name:

SY(LNDARE01)

RN: 162

Symbol Explanation: land as a point at small scale

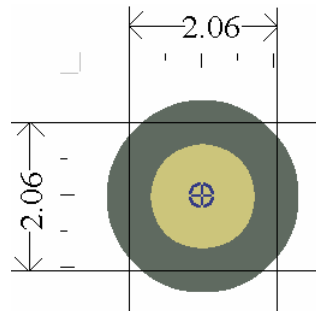
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.03

Pivot Point Row: 1.03

Width of Bounding Box: 2.06

Height of Bounding Box: 2.06



Symbol Colours:



Comments: Circle outline weight 0.6 mm; circle diameter 2.06 mm

Examples on ENC: N/A

References:

S57	INT 1
LNDARE	K 10

Symbol Name:

SY(LOCMAG01)

RN: 163

Symbol Explanation: cursor pick site for a magnetic anomaly at a point or along a line

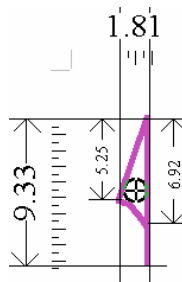
Look up table affected: line symbols  
paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.14

Pivot Point Row: 4.69

Width of Bounding Box: 1.81

Height of Bounding Box: 9.33



Symbol Colours:



CHMGD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LOCMAG	B 82.1-2	(B 82.1)

Symbol Name:

SY(LOCMAG51)

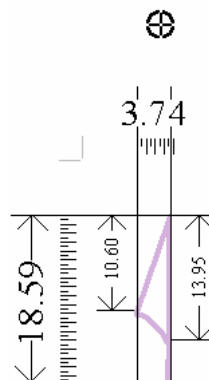
RN: 164

Symbol Explanation: cursor pick site for a magnetic anomaly over an area

Look up table affected: line symbols  
 area symbols with plain boundaries  
 area symbols with symbolized boundaries

Pivot Point Column: 2.70  
 Pivot Point Row: -21.46

Width of Bounding Box: 3.74  
 Height of Bounding Box: 18.59

Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
LOCMAG	B 82.1-2	(B 82.2)  Local Magnetic Anomaly (see Note)

Symbol Name:	SY(L <del>OWACC01</del> )	RN: 165
--------------	---------------------------	---------

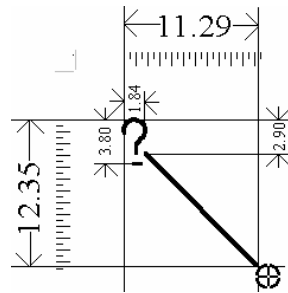
Symbol Explanation: point feature or area of low accuracy

Look up table affected: N/A

Called by CSP etc.: CSP QUAPNT02,  
CSP LOWACC01

Pivot Point Column: 12.30  
Pivot Point Row: 13.30

Width of Bounding Box: 11.29  
Height of Bounding Box: 12.35



Symbol Colours:  CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57		INT 1
not specified	B 7, 8; I 3.1, 3.2	(B 7) <i>PA</i>
COALNE	C 2, 12, 32, 33	
DEPCNT	I 31	
OBSTRN	K 43.2	
SOUNDG	I 4, 14	

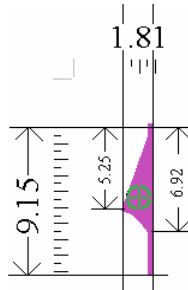
Symbol Name:	<b>SY(MAGVAR01)</b>	RN: 166
--------------	---------------------	---------

Symbol Explanation: cursor pick site for magnetic variation at a point

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.08  
Pivot Point Row: 4.47

Width of Bounding Box: 1.81  
Height of Bounding Box: 9.15



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
MAGVAR	B 60, 66, 68.1, 70, 71

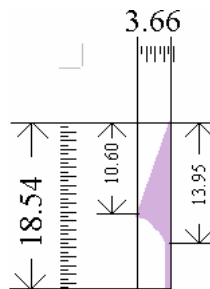
Symbol Name:	<b>SY(MAGVAR51)</b>	RN: 167
--------------	---------------------	---------

Symbol Explanation: cursor pick site for magnetic variation along a line or over an area

Look up table affected: line symbols  
 area symbols with plain boundaries  
 area symbols with symbolized boundaries

Pivot Point Column: 2.53  
 Pivot Point Row: 36.74

Width of Bounding Box: 3.66  
 Height of Bounding Box: 18.54



Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
MAGVAR	B 60, 66, 70, 71

Symbol Name:

SY(MARCUL02)

RN: 168

Symbol Explanation: fish farm

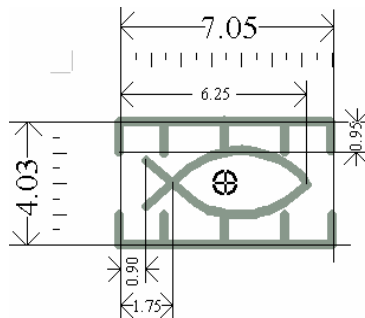
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.53

Pivot Point Row: 2.02

Width of Bounding Box: 7.05

Height of Bounding Box: 4.03



Symbol Colours:



CHGRD

Pattern:

N/V

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
MARCUL	K 47, 48.1 – 2	(K 48.1)

Symbol Name:

SY(MONUMT02)

RN: 169

Symbol Explanation: monument

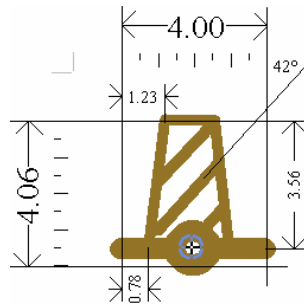
Look up table affected: paper chart point symbols

Pivot Point Column: 1.97

Pivot Point Row: 3.55

Width of Bounding Box: 4.00

Height of Bounding Box: 4.06



Symbol Colours:



Comments:



Line weight 0.3 mm; cross bar line weight 0.6 mm

Circle line weight 0.60.3 mm; circle diameter 1.0 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LNDMRK	E 24; G 66	(E 24)
		 



Symbol Name:	SY(MONUMT12)	RN: 170
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Symbol Explanation: conspicuous monument

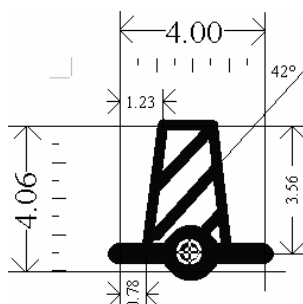
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.97

Pivot Point Row: 3.55

Width of Bounding Box: 4.00

Height of Bounding Box: 4.06






Symbol Colours:  CHBLK

Comments: Line weight 0.30.6 mm; cross bar line weight 0.6 mm  
Circle line weight 0.60.3 mm; circle diameter 1.0 mm

Examples on ENC: N/A

#### References:

S57	INT 1			
LNDMRK	E 2, 24; G 66	(E 24)		
		<table border="1" style="background-color: #f4a460;"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Mon</td> </tr> </table>		Mon
	Mon			

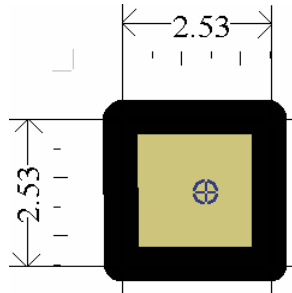
Symbol Name:	<b>SY(MORFAC03)</b>	RN: 171
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Symbol Explanation: mooring dolphin

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.44  
Pivot Point Row: 1.29

Width of Bounding Box: 2.53  
Height of Bounding Box: 2.53



Symbol Colours:

<span style="display:inline-block; width:10px; height:10px; background-color:yellow; border:1px solid black;"></span>	LANDA
<span style="display:inline-block; width:10px; height:10px; background-color:black; border:1px solid black;"></span>	CHBLK

Comments: Outline weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
MORFAC	F 20	= D <sub>ns</sub> = D <sub>ns</sub>
SLCONS	G 171	

Symbol Name:	<b>SY(MORFAC04)</b>	RN: 172
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Symbol Explanation: deviation mooring dolphin

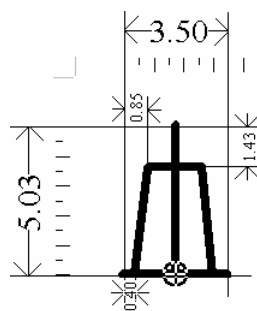
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.80

Pivot Point Row: 5.03

Width of Bounding Box: 3.50

Height of Bounding Box: 5.03




Symbol Colours:  CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
MORFAC	F 21	

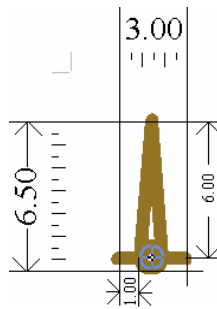
Symbol Name:	<b>SY(MSTCON04)</b>	RN: 173
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Symbol Explanation: mast

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 6.00

Width of Bounding Box: 3.00  
Height of Bounding Box: 6.50




Symbol Colours:  LANDF

Comments: Line weight ~~0.6~~0.3 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 28, 30.1; G 67, 69; P 61.1, 61.2	(E 28) 

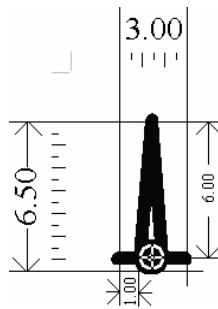
Symbol Name:	<b>SY(MSTCON14)</b>	RN: 174
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Symbol Explanation: conspicuous mast

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 6.00

Width of Bounding Box: 3.00  
Height of Bounding Box: 6.50

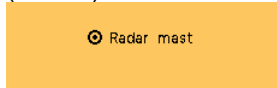


Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 28, 30.1; G 67, 69; P 61.1, 61.2	(E 30.1) 

Symbol Name:

SY(NEWOBJ01)  
578585

RN:

Symbol Explanation: new object

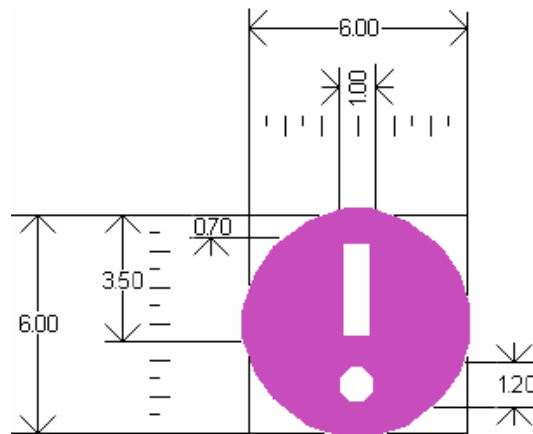
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 3.00

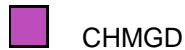
Pivot Point Row: 3.00

Width of Bounding Box: 6.00

Height of Bounding Box: 6.00



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57 E3.1.1	INT 1
NEWOBJ	N/A

Symbol Name:

SY(NORTHAR1)

RN: 175

Symbol Explanation: north arrow

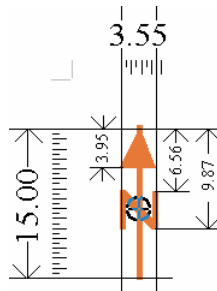
Look up table affected: N/A

Pivot Point Column: 1.93

Pivot Point Row: 8.25

Width of Bounding Box: 3.55

Height of Bounding Box: 15.00



Symbol Colours:



SCLBR

Comments:

Line weight 0.6 mm  
See PresLib section 8.5.4

Examples on ENC:

N/A

References:

S57

INT 1

Symbol Name:

SY(**NOTBRD11**)

RN: 176

Symbol Explanation: conspicuous notice board

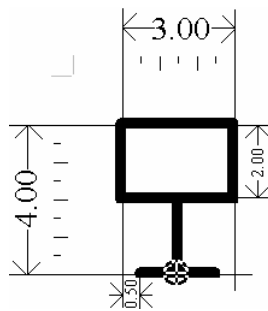
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

Pivot Point Row: 4.00

Width of Bounding Box: 3.00

Height of Bounding Box: 4.00



Symbol Colours:



CHBLK

Comments:

Line weight ~~0.30~~0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNSPP	Q 126	⊞



Symbol Name:	<b>SY(OBSTRN01)</b>	RN: 177
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Symbol Explanation                   obstruction, depth not stated

Look up table affected:               N/A

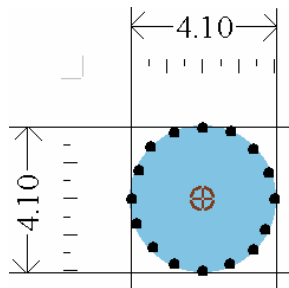
Called by CSP etc.:                   CSP OBSTRN05 Continuation A

Pivot Point Column:                   2.05

Pivot Point Row:                       2.05

Width of Bounding Box:               4.10

Height of Bounding Box:              4.10



Symbol Colours :

	DEPVS
	CHBLK

Comments:                               Circle line diameter 4.1 mm;  
 Dot diameter 0.3 mm; 16 dots around the circle

Examples on ENC:                       N/A

References:

S57		INT 1
OBSTRN	I 2, 4; K 1, 16, 40, 42	(K 1)

Symbol Name:

SY(OBSTRN02)

RN: 178

Symbol Explanation: obstruction in the intertidal area

Look up table affected: N/A

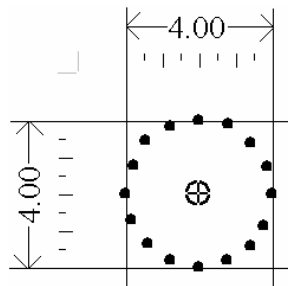
Called by CSP etc.: Earlier version of CSP OBSTRN

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



CHBLK

Comments:

Circle line diameter 4.0 mm;  
 Dot diameter 0.3 mm; 16 dots around the circle

Examples on ENC:

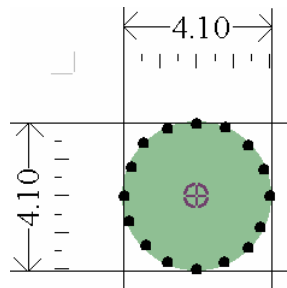
N/A

References:

S57	INT 1
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Symbol Name:	<b>SY(OBSTRN03)</b>	RN: 526
--------------	---------------------	---------

Symbol Explanation: obstruction which covers and uncovers  
 Look up table affected: N/A  
 Called by CSP etc.: CSP OBSTRN05 Continuation A  
 Pivot Point Column: 2.05  
 Pivot Point Row: 2.05  
 Width of Bounding Box: 4.10  
 Height of Bounding Box: 4.10




Symbol Colours:  DEPIT  
 CHBLK

Comments: Circle line diameter 4.1 mm;  
 Dot diameter 0.3 mm; 16 dots around the circle

Examples on ENC: N/A

References:

S57	INT 1	
OBSTRN	K 1	

Symbol Name:	SY(OBSTRN11)	RN: 179
--------------	--------------	---------

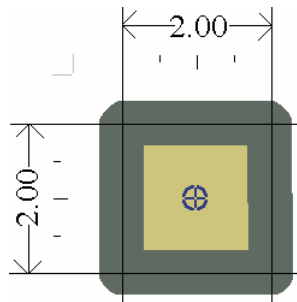
Symbol Explanation: obstruction in the water which is always above water level

Look up table affected: N/A

Called by CSP etc.: CSP OBSTRN05 Continuation A

Pivot Point Column: 1.00  
Pivot Point Row: 1.01

Width of Bounding Box: 2.00  
Height of Bounding Box: 2.00




Symbol Colours:

- CSTLN
- LANDA

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
OBSTRN	G 179, 180; L 23	(L 23) 

Symbol Name:

SY(OFSPLF01)

RN: 180

Symbol Explanation: offshore platform

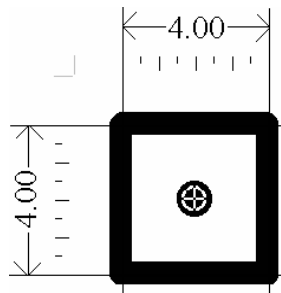
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:



CHBLK


Comments:

Line weight 0.6 mm; point diameter 1.0 mm

Examples on ENC:

N/A

References:

S57		INT 1
OFSPLF	L 2, 10, 11-15, 17	(L 2) 

Symbol Name:	<b>SY(OSPONE03)</b>	RN: 181
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Symbol Explanation: one minute mark for own ship vector

Look up table affected: N/A

Called by CSP etc.: CSP OWNSHP02

Pivot Point Column: 1.00

Pivot Point Row: 0.00

Width of Bounding Box: 2.00

Height of Bounding Box: 0.00

Symbol Colours: SHIPS

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
-----	-------

Symbol Name:	<b>SY(OSPSIX03)</b>	RN: 182
--------------	---------------------	---------

Symbol Explanation: six minute mark for own ship vector

Look up table affected: N/A

Called by CSP etc.: CSP OWNSHP02

Pivot Point Column: 1.50

Pivot Point Row: 0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 0.00

Symbol Colours: SHIPS

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
-----	-------

Symbol Name:	<b>SY(OWNSHP02)</b>	RN: 183
--------------	---------------------	---------

Symbol Explanation: own ship symbol, constant size

Look up table affected: N/A

Called by CSP etc.: CSP OWNSHP02

Pivot Point Column: 3.00

Pivot Point Row: 3.00

Width of Bounding Box: 6.00

Height of Bounding Box: 6.00

Symbol Colours: SHIPS

Comments: Line weight 0.6 mm; inner circle diameter 3.00 mm

Outer circle diameter 6.00 mm

Examples on ENC: N/A

References: IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004

IEC 62288 Ed.1

S57	INT 4
-----	-------



Symbol Name:	<b>SY(OWNSHP05)</b>	RN: 184
--------------	---------------------	---------

Symbol Explanation: own ship drawn to scale with conning position marked

Look up table affected: N/A

Called by CSP etc.: CSP OWNSHP02

Pivot Point Column: conning position relative to own ship shape

Pivot Point Row: according to position offsets

Width of Bounding Box: scaled according to own ship

Height of Bounding Box: beam and length

Symbol Colours: SHIPS

Comments: Line weight 0.6 mm

Point diameter 0.92 mm

Examples on ENC: N/A

References: IMO Guidelines for the presentation of navigation-related symbols, terms and abbreviations SN/Circ.243 15 December 2004

IEC 62288 Ed.1

S57	INT 1
-----	-------

Symbol Name:	SY(PASTRK03)	RN: 185
--------------	--------------	---------

Symbol Explanation: time mark on past track

Look up table affected: N/A

Called by CSP etc.: CSP PASTRK01

Pivot Point Column: 1.50

Pivot Point Row: 0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 0.00

Symbol Colours: PSTRK

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
-----	-------

Symbol Name:	SY(PASTRK04)	RN: 186
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Symbol Explanation: time mark on secondary past track

Look up table affected: N/A

Called by CSP etc.: CSP PASTRK01

Pivot Point Column: 1.50

Pivot Point Row: -0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 0.00

Symbol Colours: SYTRK

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT 1
-----	-------

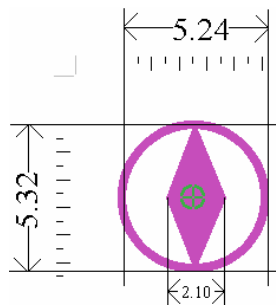
Symbol Name:	SY(PILBOP02)	RN: 187
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Symbol Explanation: pilot boarding place

Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 2.59  
 Pivot Point Row: 2.69

Width of Bounding Box: 5.24  
 Height of Bounding Box: 5.32



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 5.24 mm

Examples on ENC: N/A

References:

S57	INT 1	
PILBOP	T 1.1-1.4	(T 1.1)
		⚡

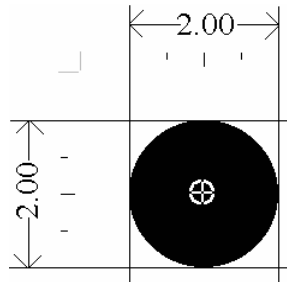
Symbol Name:	SY(PILPNT02)	RN: 188
--------------	--------------	---------

Symbol Explanation: pile or bollard

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.00  
Pivot Point Row: 1.00

Width of Bounding Box: 2.00  
Height of Bounding Box: 2.00



Symbol Colours:  CHBLK

Comments: Point diameter 2.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
MORFAC	G 181	
PILPNT	F 22; G 179, 180	(F 22)
		■

Symbol Name:	SY( <del>PLNPOS01</del> )	RN: 189
--------------	---------------------------	---------

Symbol Explanation: ~~surrounding ellipse for arrival date and time at planned position~~

Look up table affected: ~~paper chart point symbols~~  
~~simplified point symbols~~

Pivot Point Column: ~~-0.56~~

Pivot Point Row: ~~0.00~~

Width of Bounding Box: ~~23.82~~

Height of Bounding Box: ~~9.19~~

Symbol Colours: ~~PLRTE~~

Comments: ~~Line weight 0.3 mm~~

Examples on ENC: ~~N/A~~

References:

<del>Non-standard object</del>	<del>INT 1</del>
<del>plnpos</del>	<del>IEC 61174 Annex E Section 19</del>

Symbol Name: SY(PLNPOS03) RN: 190

Symbol Explanation: cross line for planned position

Look up table affected: paper chart point symbols  
simplified point symbols

Called by CSP etc.: CSP LEGLIN03 Continuation A

Pivot Point Column: 1.50

Pivot Point Row: -0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 0.00

Symbol Colours: PLRTE

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
plnpos	IEC 61174 Annex E Section 19	

Symbol Name:	SY(PLNSPD03)	RN: 191
--------------	--------------	---------

Symbol Explanation: box for speed to make good, planned route

Look up table affected: N/A

Called by CSP etc.: CSP LEGLIN03

Pivot Point Column: -1.74

Pivot Point Row: -1.14

Width of Bounding Box: 8.40

Height of Bounding Box: 5.74

Symbol Colours: PLRTE

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
-----	-------



Symbol Name:	SY( <b>PLNSPD04</b> )	RN: 192
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Symbol Explanation: box for speed to make good, alternate route

Look up table affected: N/A

Called by CSP etc.: CSP LEGLIN03

Pivot Point Column: -1.74

Pivot Point Row: -1.14

Width of Bounding Box: 8.40

Height of Bounding Box: 5.74

Symbol Colours: APLRT

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: \_\_\_\_\_

S57	INT 1
-----	-------

Symbol Name:	SY(POSGEN01)	RN: 193
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Symbol Explanation: position of a point feature

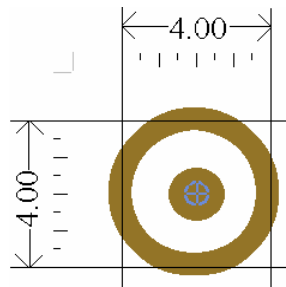
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 2.00

Width of Bounding Box: 4.00

Height of Bounding Box: 4.00



Symbol Colours:  LANDF

Comments: Circle line weight 0-60.3 mm; circle diameter 4.0 mm  
Point diameter 1.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 10.3, 17	
RADSTA	M 30; S 1	(M 30)  ⊗ Radar Surveillance Station

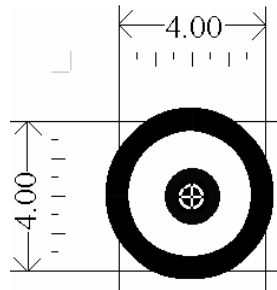
Symbol Name:	SY(POSGEN03)	RN: 194
--------------	--------------	---------

Symbol Explanation: position of a conspicuous point feature

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00  
Pivot Point Row: 2.00

Width of Bounding Box: 4.00  
Height of Bounding Box: 4.00



Symbol Colours:  CHBLK

Pattern: N/V

Comments: Circle line weight 0.6 mm; circle diameter 4.0 mm  
Point diameter 1.6 mm

Examples on ENC: N/V

References:

S57	INT 1	
BUISGL	Not specified	
LNDMRK	E 2, 17	
PYLONS	D 26	

Symbol Name:

SY(POSGEN04)

RN: 195

Symbol Explanation: position of an elevation or control point

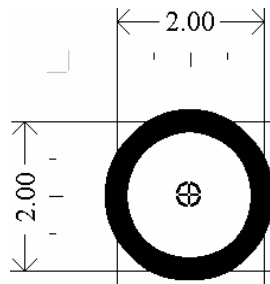
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 1.00

Pivot Point Row: 1.00

Width of Bounding Box: 2.00

Height of Bounding Box: 2.00



Symbol Colours:



CHBLK

Pattern:

N/V


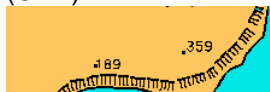
Comments:

Circle line weight 0.6 mm

Examples on ENC:

N/V

References:

S57	INT 1	
CHKPNT	not specified	
CTRPNT	B 20-24	(B 21) 
LNDELV	C 10-13 G 24, 25; K 10, 20	(C 11) 
LNDRGN	C 33; G 3-12, 20, 21, 23, 26, 29-33, 35, 36	

Symbol Name: **SY(POSITN03)** RN: 196

Symbol Explanation: own ship position fix

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.50

Pivot Point Row: 2.50

Width of Bounding Box: 5.00

Height of Bounding Box: 5.00

Symbol Colours: NINFO

Pattern: N/A

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
positn	IEC 61174 Annex E Section 7, 8	

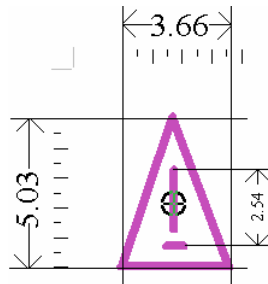
Symbol Name:	SY( <b>PRCARE12</b> )	RN: 197
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Symbol Explanation: point symbol for traffic precautionary area

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.77  
Pivot Point Row: 2.93

Width of Bounding Box: 3.66  
Height of Bounding Box: 5.03




Symbol Colours:  TRFCD

Pattern: N/V

Comments: Line weight 0.3 mm

Examples on ENC: N/V

References:

S57		INT 1	
PRCARE	M 16, 24	(M 16)	 <i>Precautionary Area</i>

Symbol Name:

SY(**PRCARE51**)

RN: 198

Symbol Explanation: traffic precautionary area

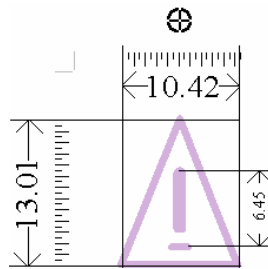
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 5.12

Pivot Point Row: -8.84

Width of Bounding Box: 10.42

Height of Bounding Box: 13.01



Symbol Colours:



TRFCF

Pattern:

N/V

Comments:

Line weight 0.6 mm

Examples on ENC:

N/V

References:

S57		INT 1
PRCARE	M 16, 24	

Symbol Name:

SY(PRDINS02)

RN: 199

Symbol Explanation: mine, quarry

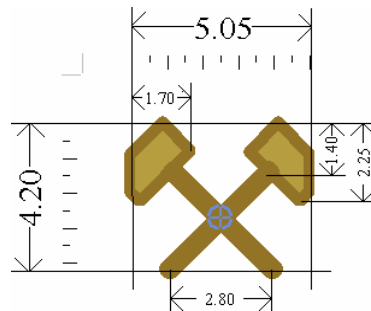
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.55

Pivot Point Row: 2.75

Width of Bounding Box: 5.05

Height of Bounding Box: 4.20



Symbol Colours:



LANDF


CHBRN

Pattern: N/V

Comments: Hammer head outline weight 0.3 mm; Handle line weight 0.6 mm

Examples on ENC: N/V

References:

S57	INT 1	
PRDARE	E 35.1, 35.2	(E 35.2)
		



Symbol Name:

SY(PRICKE03)

RN: 200

Symbol Explanation: withy, port-hand, paper-chart

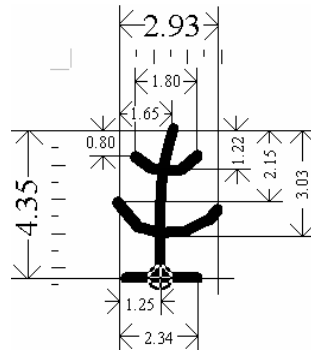
Look up table affected: paper chart point symbols

Pivot Point Column: 1.25

Pivot Point Row: 4.35

Width of Bounding Box: 2.93

Height of Bounding Box: 4.35



Symbol Colours:



CHBLK

Pattern:

N/V


Comments:

Line weight 0.3 mm

Examples on ENC:

N/V

References:

S57		INT 1
BCNLAT	Q 92	

Symbol Name:

SY(PRICKE04)

RN: 201

Symbol Explanation: withy, starboard-hand, paper-chart

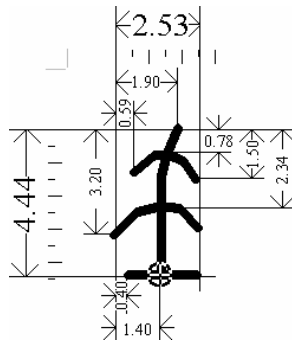
Look up table affected: paper chart point symbols

Pivot Point Column: 1.41

Pivot Point Row: 4.44

Width of Bounding Box: 2.53

Height of Bounding Box: 4.44



Symbol Colours:



CHBLK

Pattern:

N/V

Comments:

Line weight 0.3 mm

Examples on ENC:

N/V

References:

S57	INT 1	
BCNLAT	Q 92	

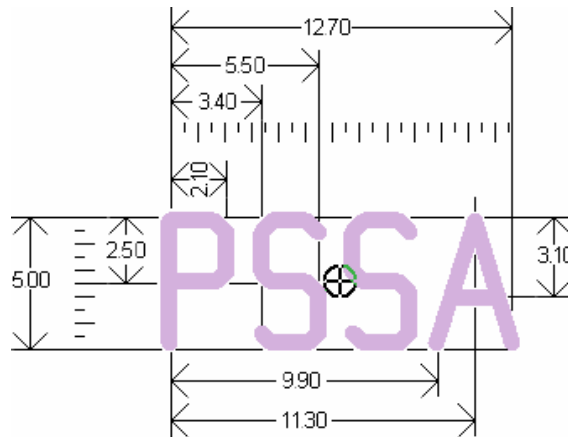
Symbol Name:	SY(PSSARE01)	RN: 519
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Symbol Explanation: PSSA - centred symbol

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.35  
Pivot Point Row: 6.35

Width of Bounding Box: 12.70  
Height of Bounding Box: 5.00



Symbol Colours:  CHMGF

Comments: Line weight 0.6 mm

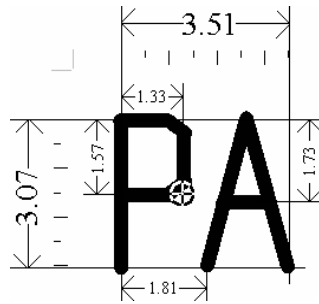
Examples on ENC: N/A

References:

S57 E.3.1.1		INT 1
RESARE, CATREA 28	N22	<div style="background-color: pink; padding: 2px; display: inline-block;">PSSA</div> <div style="background-color: pink; padding: 2px; display: inline-block;">PSSA</div>

Symbol Name:	SY(QUAPOS01)	RN: 202
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Symbol Explanation: position approximate  
 Look up table affected: N/V  
 Pivot Point Column: 1.32  
 Pivot Point Row: 1.56  
 Width of Bounding Box: 3.51  
 Height of Bounding Box: 3.07



Symbol Colours:  CHBLK  
 Pattern: N/V  
 Comments: Line weight 0.3 mm  
 Examples on ENC: N/V

References:

S57	INT 1	
As applicable	B 7	PA

Symbol Name:

SY(QUARRY01)

RN: 203

Symbol Explanation: quarry

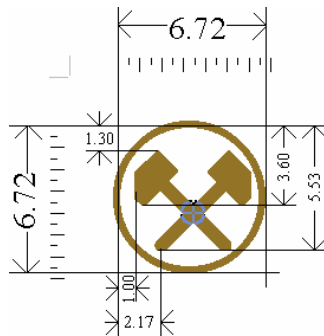
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.52

Pivot Point Row: 4.08

Width of Bounding Box: 6.72

Height of Bounding Box: 6.72



Symbol Colours:



LANDF

Pattern:

N/V


Comments:

Circle line weight 0.3 mm; circle diameter 6.72 mm  
Hammer line weight 0.6 mm

Examples on ENC:

N/V

References:

S57	INT 1	
PRDARE	E 35.1, 35.2	(E 35.1)
		

Symbol Name:

SY(QUESMRK1)

RN: 204

Symbol Explanation: object which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries  
line symbols

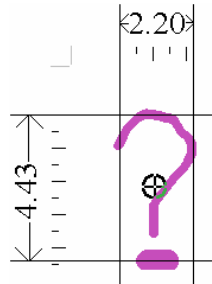
Called by CSP etc.: CSP LIGHTS05 Continuation A

Pivot Point Column: 1.10

Pivot Point Row: 2.22

Width of Bounding Box: 2.20

Height of Bounding Box: 4.43



Symbol Colours:



CHMGD

Pattern:

N/V

Comments:

Question mark line weight 0.3 mm; dot line weight 0.6 mm

Examples on ENC:

N/V

References:

S57	INT 1
Not specified	

Symbol Name:	SY(RACNSP01)	RN: 205
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Symbol Explanation: symbol indicating this object is radar conspicuous

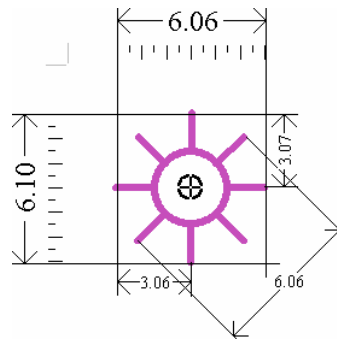
Look up table affected: line symbols

Pivot Point Column: 3.04

Pivot Point Row: 3.05

Width of Bounding Box: 6.06

Height of Bounding Box: 6.10




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 2.98mm

Examples on ENC: N/A

References:

S57	INT 1	
Not specified	S 4, 5	(S 5) 
CBLOHD	D 26	
CONVYR	D 25; G 182	
PIPOHD	D 28	

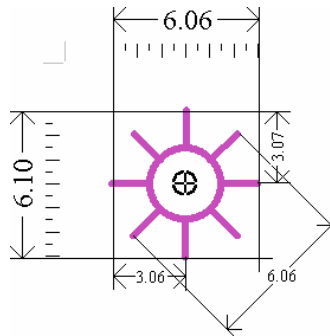
Symbol Name:	SY(RADRFL03)	RN: 206
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Symbol Explanation: radar reflector

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.04  
Pivot Point Row: 3.05

Width of Bounding Box: 6.06  
Height of Bounding Box: 6.10



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 2.98mm

Examples on ENC: N/A

References:

S57	INT 1
RADRFL	Not specified



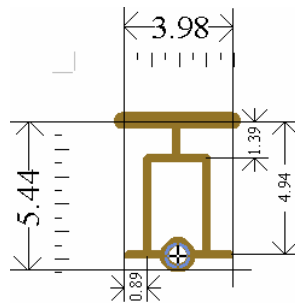
Symbol Name:	SY(RASCAN01)	RN: 207
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Symbol Explanation: radar scanner

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.02  
Pivot Point Row: 4.94

Width of Bounding Box: 3.98  
Height of Bounding Box: 5.44



Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; upper bar line weight 0.60.3 mm  
Circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 30.3	⊙ Radar Sc

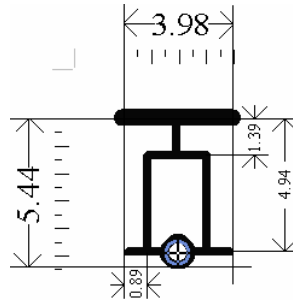
Symbol Name:	SY(RASCAN11)	RN: 208
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Symbol Explanation: conspicuous radar scanner

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.07  
Pivot Point Row: 4.92

Width of Bounding Box: 3.98  
Height of Bounding Box: 5.44



Symbol Colours:  CHBLK

Comments: Line weight 0.30.6 mm; upper bar line weight 0.6 mm  
Circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 2, 30.3	(E 30.3)
		⊙ Radar Sc

Symbol Name:

SY(RCLDEF01)

RN: 209

Symbol Explanation: radio calling-in point whose direction is not known

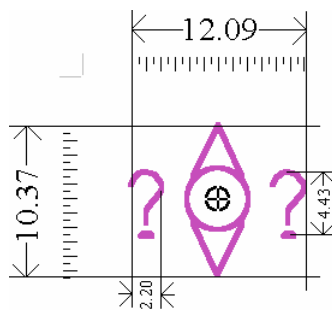
Look up table affected: line symbols  
 paper chart point symbols  
 simplified point symbols

Pivot Point Column: 6.07

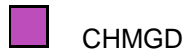
Pivot Point Row: 5.17

Width of Bounding Box: 12.09

Height of Bounding Box: 10.37



Symbol Colours:



Comments:

Line weight 0.3 mm; circle diameter 4.36 mm  
 Question mark line weight 0.3 mm; dot line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
RDOCAL	M 40	

Symbol Name:

SY(RCTLPT52)

RN: 210

Symbol Explanation: recommended traffic direction between parts of a traffic separation scheme, or for ships not needing a deep water route

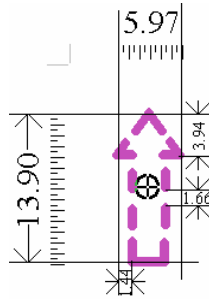
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 2.97

Pivot Point Row: 6.94

Width of Bounding Box: 5.97

Height of Bounding Box: 13.90



Symbol Colours:



TRFCD

Comments:

Line weight 0.9 mm

Examples on ENC:

N/A

References:

S57	INT 1
RCTLPT	not specified

Symbol Name:	SY(RDOCAL02)	RN: 211
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Symbol Explanation: radio calling-in point for traffic in one direction only

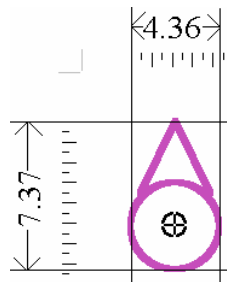
Look up table affected: line symbols  
paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.18

Pivot Point Row: 5.19

Width of Bounding Box: 4.36

Height of Bounding Box: 7.37



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm; circle diameter 4.36 mm

Examples on ENC: N/A

References:

S57	INT 1	
RDOCAL	M 40	

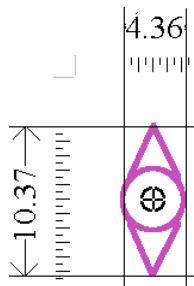
Symbol Name:	SY(RDOCAL03)	RN: 212
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Symbol Explanation: radio calling-in point for traffic in both directions

Look up table affected: line symbols  
paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.18  
Pivot Point Row: 5.19

Width of Bounding Box: 4.36  
Height of Bounding Box: 10.37



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm; circle diameter 4.36 mm

Examples on ENC: N/A

References:

S57	INT 1	
RDOCAL	M 40	

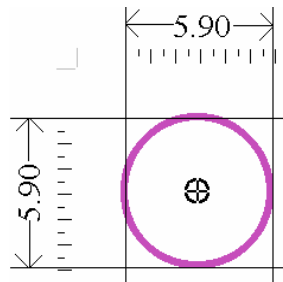
Symbol Name:	SY(RDOSTA02)	RN: 213
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Symbol Explanation: radio station

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.97  
Pivot Point Row: 2.95

Width of Bounding Box: 5.90  
Height of Bounding Box: 5.90





Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 5.9 mm

Examples on ENC: N/A

References:

S57	INT 1	
RADSTA	M 30; S 1	(M 30)  Radar Surveillance Station
RDOSTA	S 10-16	(S 10)  Name RC

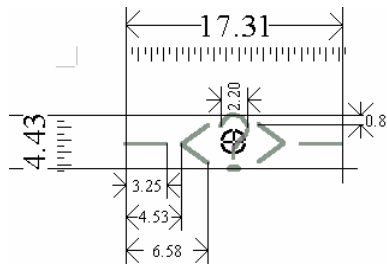
Symbol Name:	SY(RECDEF51)	RN: 214
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Symbol Explanation: recommended track as an area, direction not defined in data

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.74  
Pivot Point Row: 2.34

Width of Bounding Box: 17.31  
Height of Bounding Box: 4.43



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm  
Question mark line weight 0.3mm; question mark dot weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
RECTRC	M 1, 3-4, 5.1, 5.2, 6	(M 6) 



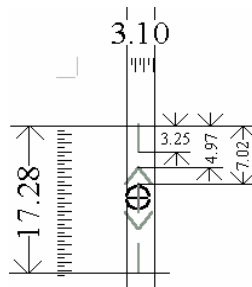
Symbol Name:	<b>SY(RECTRC55)</b>	RN: 215
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Symbol Explanation: recommended two-way track as an area, not based on fixed marks

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 1.53  
Pivot Point Row: 8.62

Width of Bounding Box: 3.10  
Height of Bounding Box: 17.28



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RECTRC	M 4, 5.2, 6, 32.2 (M 4) 

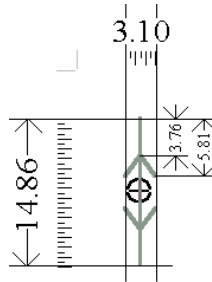
Symbol Name:	SY(RECTRC56)	RN: 216
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Symbol Explanation: recommended two-way track as an area, based on fixed marks

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 1.52  
Pivot Point Row: 7.45

Width of Bounding Box: 3.10  
Height of Bounding Box: 14.86



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57		INT 1
RECTRC	M 3, 5.2, 6; P 20.1, 20.2, 30.2	(M 3)  <u>2 Bins 090,5°-270,5°</u>

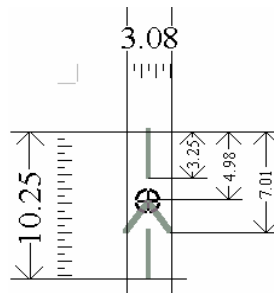
Symbol Name:	SY(RECTRC57)	RN: 217
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Symbol Explanation: recommended one-way track as an area, not based on fixed marks

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 1.56  
Pivot Point Row: 4.95

Width of Bounding Box: 3.08  
Height of Bounding Box: 10.25



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RECTRC	M 5.1
	--<--<--

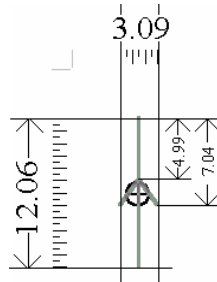
Symbol Name:	SY(RECTRC58)	RN: 218
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Symbol Explanation: recommended one-way track as an area, based on fixed marks

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 1.57  
Pivot Point Row: 6.21

Width of Bounding Box: 3.09  
Height of Bounding Box: 12.06




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RECTRC	M 5.1 

Symbol Name: SY(REFPNT02) RN: 219

Symbol Explanation: reference point, 'ghost cursor' (user interface)

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.00

Pivot Point Row: 5.00

Width of Bounding Box: 10.00

Height of Bounding Box: 10.00

Symbol Colours: NINFO

Comments: Line weight 0.3 mm

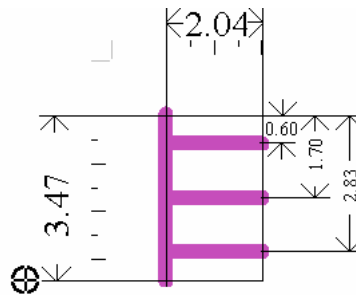
Examples on ENC: N/A

References:

S57	INT 1
refpnt	To meet the requirements of IMO PS 1.6

Symbol Name:	SY(RETRFL01)	RN: 220
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Symbol Explanation: retro reflector, paper chart  
 Look up table affected: paper chart point symbols  
 Pivot Point Column: -3.02  
 Pivot Point Row: 3.45  
 Width of Bounding Box: 2.04  
 Height of Bounding Box: 3.47



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RETRFL	not specified

Symbol Name:	SY(RETRFL02)	RN: 221
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Symbol Explanation: retro reflector, simplified

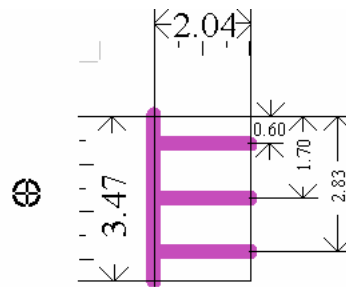
Look up table affected: simplified point symbols

Pivot Point Column: -2.79

Pivot Point Row: 1.66

Width of Bounding Box: 2.04

Height of Bounding Box: 3.47



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RETRFL	not specified

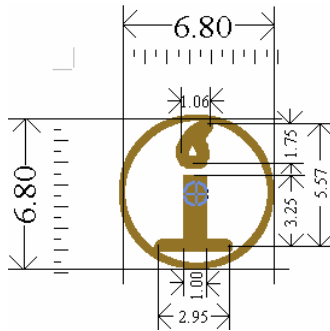
Symbol Name:	SY(RFNERY01)	RN: 222
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Symbol Explanation: refinery

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.41  
Pivot Point Row: 3.53

Width of Bounding Box: 6.80  
Height of Bounding Box: 6.80



Symbol Colours:  LANDF

Comments: Circle line weight 0.3 mm; circle diameter 6.8 mm  
Flame and lower bar line weight ~~0.6~~0.3 mm  
Vertical bar line weight 0.9 mm

Examples on ENC: N/A

References:

S57	INT 1
PRDARE	G 87



Symbol Name:

SY(RFNERY11)

RN: 223

Symbol Explanation: conspicuous refinery

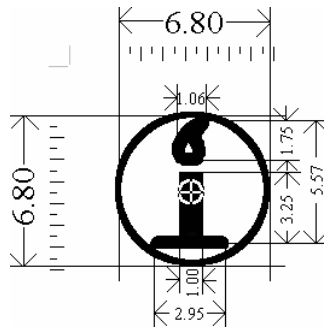
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.32

Pivot Point Row: 3.58

Width of Bounding Box: 6.80

Height of Bounding Box: 6.80



Symbol Colours:



CHBLK

Comments:

Circle line weight ~~0.30~~ 0.6 mm; circle diameter ~~6.87~~ 6.874 mm

Flame and lower bar line weight 0.6 mm

Vertical bar line weight 0.9 mm

Examples on ENC:

N/A

References:

S57	INT 1
PRDARE	E 2; G 87

Symbol Name:

SY(ROLROL01)

RN: 224

Symbol Explanation: RoRo terminal

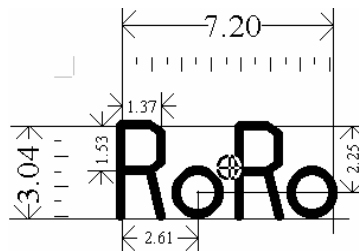
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 3.67

Pivot Point Row: 1.42

Width of Bounding Box: 7.20

Height of Bounding Box: 3.04

Symbol Colours:  CHBLK

Comments: Line weight 0.3 mm; circle diameter 1.48 mm

Examples on ENC: N/A

References:

S57	INT 1	
HRBFAC	F 50	RoRo

Symbol Name:	SY(RSCSTA02)	RN: 225
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Symbol Explanation: rescue station

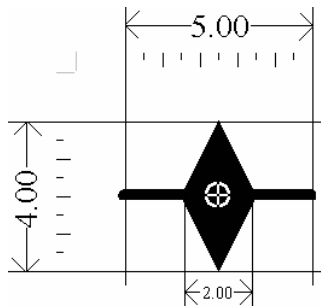
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.51

Pivot Point Row: 2.00

Width of Bounding Box: 5.00

Height of Bounding Box: 4.00




Symbol Colours:  CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
RSCSTA	T 11-14	(T 12)
		

Symbol Name:	SY( <b>RSRDEF51</b> )	RN: 226
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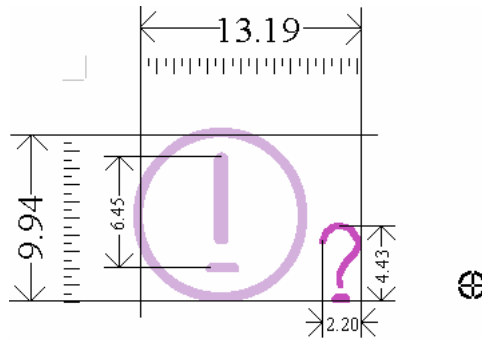
Symbol Explanation: area in which undefined restrictions exist

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03,  
CSP RESARE03 Continuation E,  
CSP RESCSP02

Pivot Point Column: 19.79  
Pivot Point Row: 8.84

Width of Bounding Box: 13.19  
Height of Bounding Box: 9.94



Symbol Colours:

- TRFCF
- CHMGD

Comments: Line weight 0.6 mm; circle diameter 9.94 mm;  
Other symbol dimensions like SY(CTNARE51)

Examples on ENC: N/A

References:

S57	INT 1
RESARE	N 2.1

Symbol Name:

SY(RTLDEF51)

RN: 227

Symbol Explanation: recommended route between parts of a traffic separation scheme, or for ships not needing a deep water route, with the direction not specified in the data

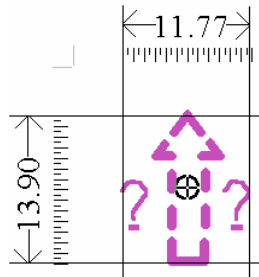
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 6.18

Pivot Point Row: 6.94

Width of Bounding Box: 11.77

Height of Bounding Box: 13.90



Symbol Colours:



TRFCD

CHMGD

Comments:

Line weight 0.9 mm

Question mark line weight 0.3 mm; dot line weight 0.6 mm

"Arrow" dimension like RCTLPT52

"Question mark" dimension like QUESMRK1

Examples on ENC:

N/A

References:

S57	INT 1
RCTLPT	not specified

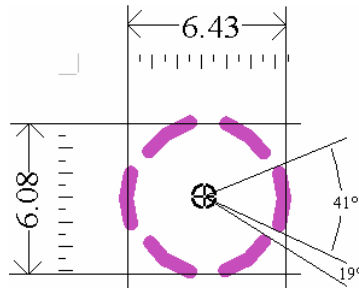
Symbol Name:	SY(RTPBCN02)	RN: 228
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Symbol Explanation: radar transponder beacon

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.21  
Pivot Point Row: 3.04

Width of Bounding Box: 6.43  
Height of Bounding Box: 6.08




Symbol Colours:  CHMGD

Comments: Line weight 0.6 mm; circle diameter 6.08 mm

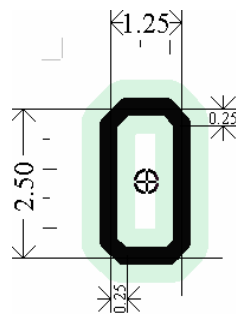
Examples on ENC: N/A

References:

S57	INT 1	
RTPBCN	S 2-3	(S 3) 

Symbol Name:	<b>SY(SAFCON00)</b>	RN: 528
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

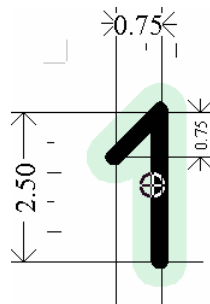
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON01)	RN: 529
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 0.75  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

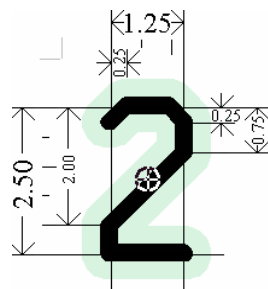
References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	



Symbol Name:	<b>SY(SAFCON02)</b>	RN: 530
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

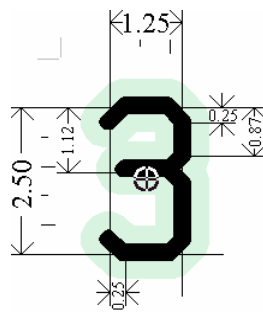
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON03)	RN: 531
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

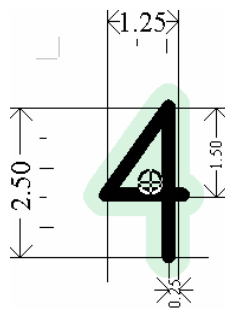
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON04)	RN: 532
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

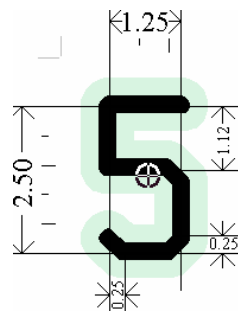
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON05)</b>	RN: 533
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.69  
 Pivot Point Row: 1.20  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

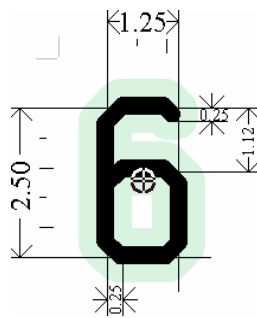
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON06)	RN: 534
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

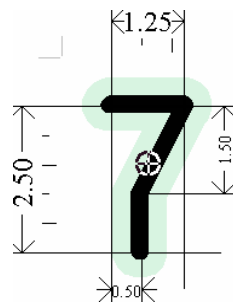
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON07)</b>	RN: 535
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

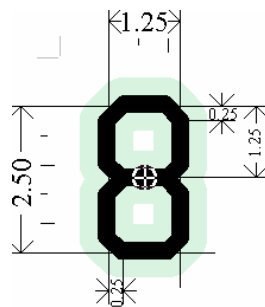
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON08)	RN: 536
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

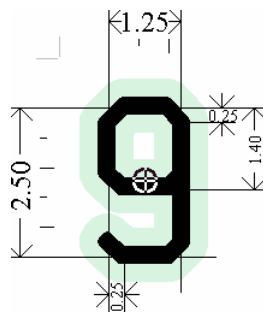
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON09)</b>	RN: 537
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 0.65  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

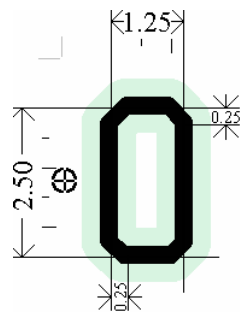
References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	



Symbol Name:	<b>SY(SAFCON10)</b>	RN: 538
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

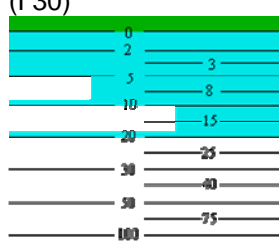


Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

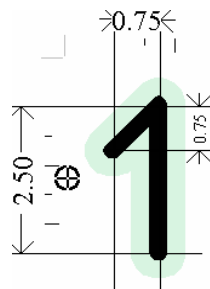
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON11)	RN: 539
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 0.75  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

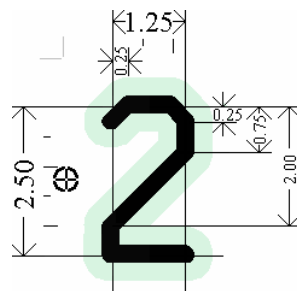
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON12)</b>	RN: 540
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

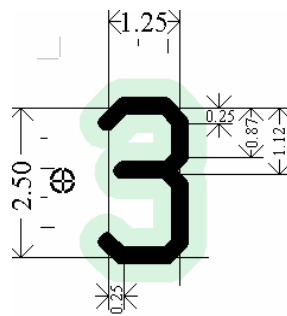
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON13)	RN: 541
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

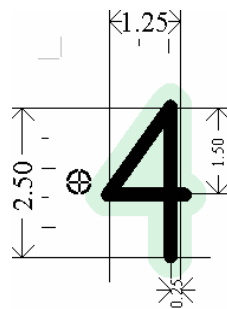
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON14)</b>	RN: 542
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

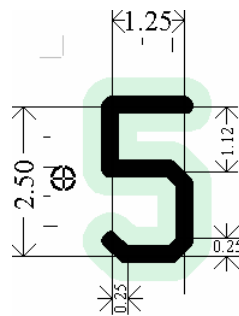
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON15)</b>	RN: 543
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

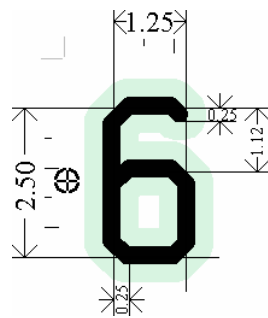
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON16)</b>	RN: 544
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

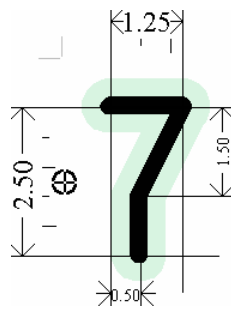
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON17)</b>	RN: 545
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.00  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

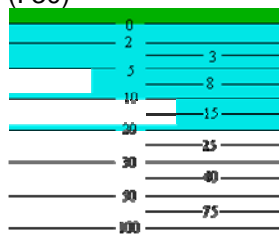


Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

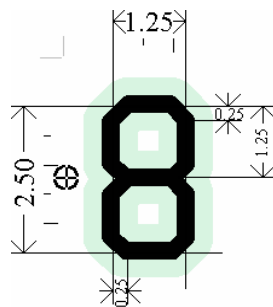
References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	



Symbol Name:	SY(SAFCON18)	RN: 546
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

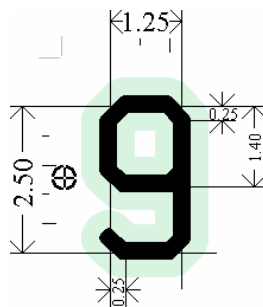
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON19)</b>	RN: 547
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -0.75  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

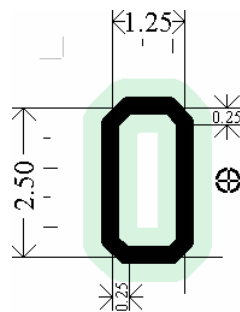
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON20)</b>	RN: 548
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.98  
 Pivot Point Row: 1.24  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

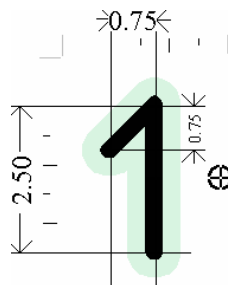
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON21)	RN: 549
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.80  
 Pivot Point Row: 1.24  
 Width of Bounding Box: 0.75  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

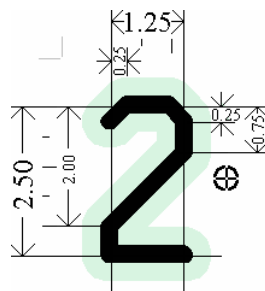
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON22)	RN: 550
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.95  
 Pivot Point Row: 1.23  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

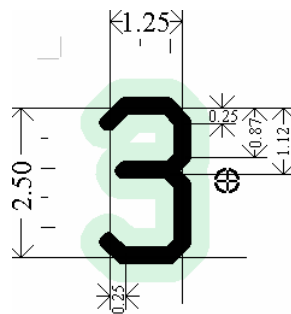
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	SY(SAFCON23)	RN: 551
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 2.00  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

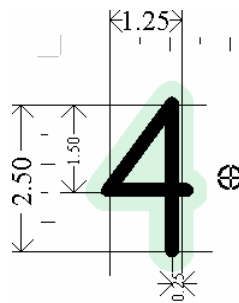
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON24)</b>	RN: 552
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 2.00  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

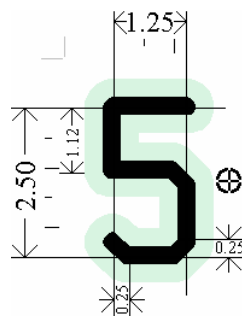
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	1 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON25)</b>	RN: 553
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.95  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

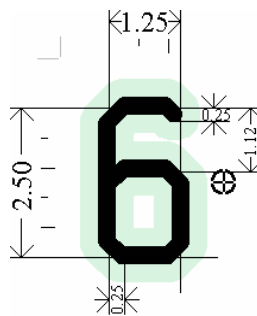
References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	



Symbol Name:	SY(SAFCON26)	RN: 554
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.98  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

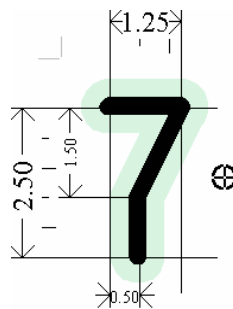
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON27)</b>	RN: 555
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.98  
 Pivot Point Row: 1.18  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

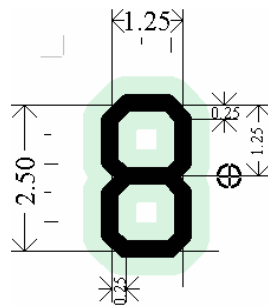
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON28)</b>	RN: 556
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.96  
 Pivot Point Row: 1.25  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

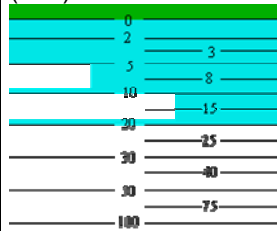


Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

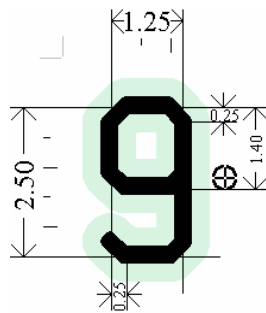
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON29)</b>	RN: 557
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: 1.96  
 Pivot Point Row: 1.21  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

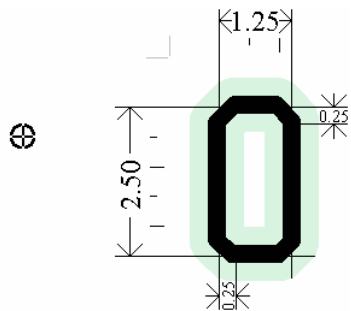
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON50)</b>	RN: 558
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  
 DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

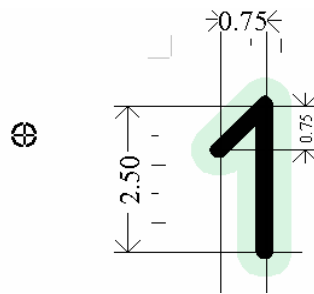
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON51)</b>	RN: 559
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 0.75  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

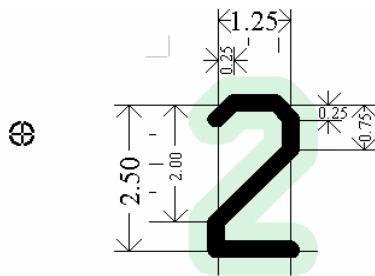
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON52)</b>	RN: 560
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

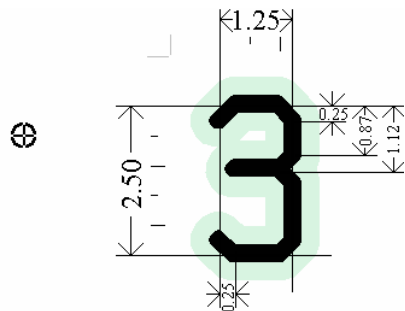
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON53)</b>	RN: 561
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

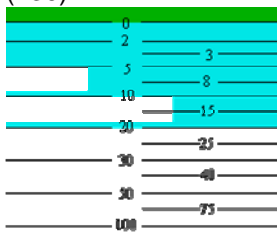


Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

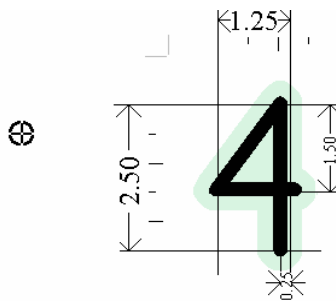
References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	



Symbol Name:	<b>SY(SAFCON54)</b>	RN: 562
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

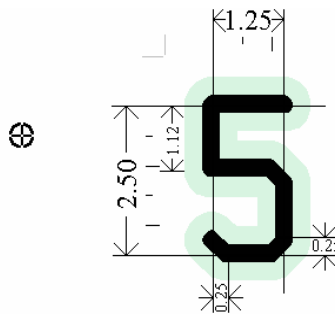
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	30, 31	(  30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON55)</b>	RN: 563
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

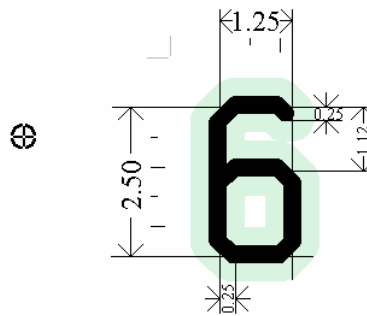
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON56)</b>	RN: 564
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Symbol Explanation : contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours :  
 DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

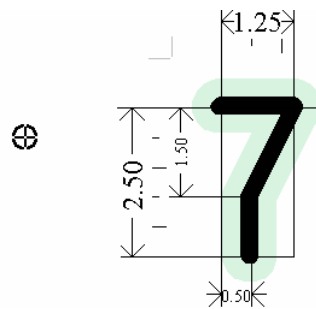
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON57)</b>	RN: 565
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

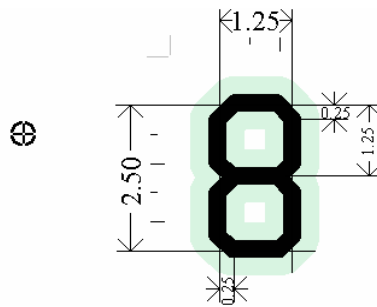
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON58)</b>	RN: 566
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

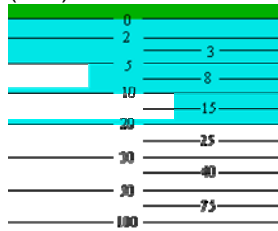


Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

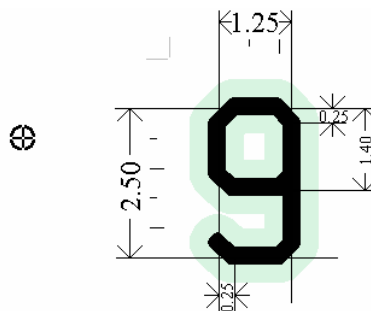
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON59)</b>	RN: 567
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -3.25  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

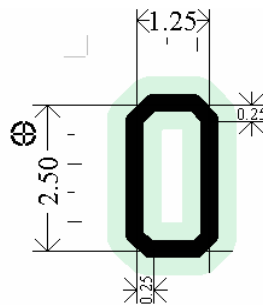
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON60)</b>	RN: 568
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

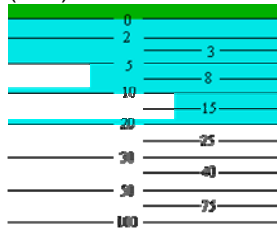


Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

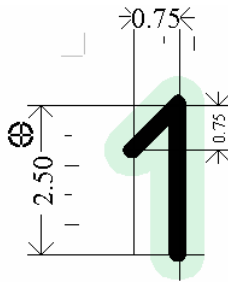
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON61)</b>	RN: 569
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 0.75  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

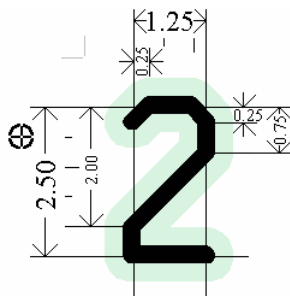
References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	1 30, 31	(1 30) 
DRGARE	not specified	



Symbol Name:	<b>SY(SAFCON62)</b>	RN: 570
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

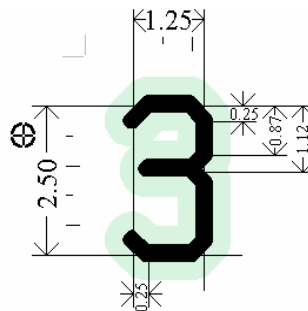
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON63)</b>	RN: 571
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

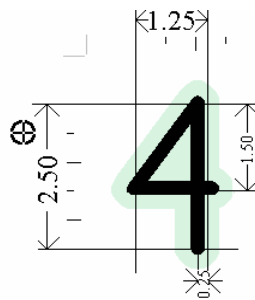
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON64)</b>	RN: 572
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

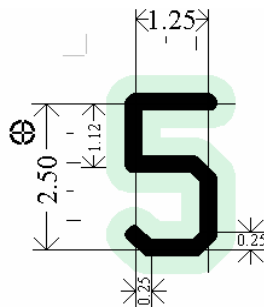
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON65)</b>	RN: 573
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50

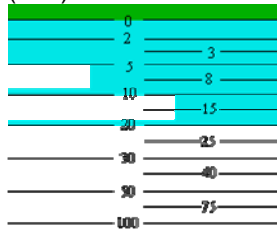


Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

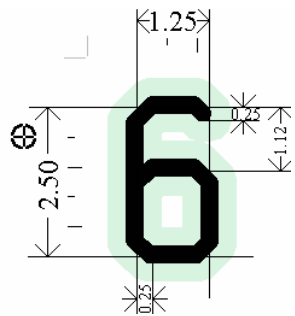
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON66)</b>	RN: 574
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:

SY(SAFCON67)

RN: 575

Symbol Explanation: contour label

Look up table affected: N/A

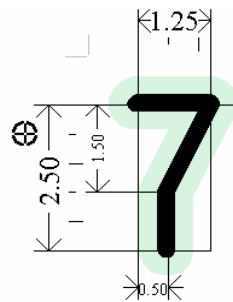
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: -1.85

Pivot Point Row: 0.50

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



DEPDW

SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

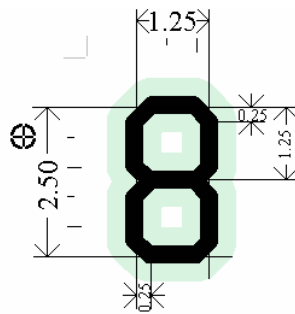
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	1 30, 31	(1 30) 
DRGARE	not specified	

Symbol Name:	<b>SY(SAFCON68)</b>	RN: 576
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Symbol Explanation: contour label  
 Look up table affected: N/A  
 Called by CSP etc.: CSP SAFCON01  
 Pivot Point Column: -1.85  
 Pivot Point Row: 0.50  
 Width of Bounding Box: 1.25  
 Height of Bounding Box: 2.50



Symbol Colours:  DEPDW  
 SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:

SY(SAFCON69)

RN: 577

Symbol Explanation: contour label

Look up table affected: N/A

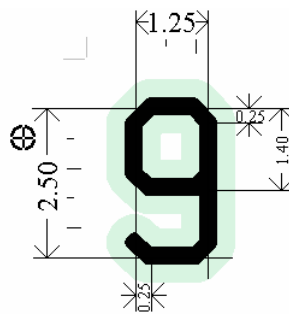
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: -1.85

Pivot Point Row: 0.50

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



DEPDW

SNDG2

Comments: Background line weight 0.9 mm; foreground line weight 0.3 mm

Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30) 
DRGARE	not specified	



Symbol Name:

SY(SCALEB10)

RN: 229

Symbol Explanation: one mile scale bar for display scales larger than 1/80,000

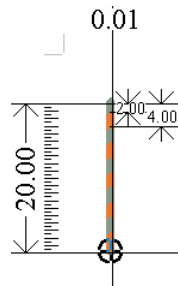
Look up table affected: N/A

Pivot Point Column: 0.00

Pivot Point Row: 20.00

Width of Bounding Box: 0.01

Height of Bounding Box: 20.00



Symbol Colours:



SCLBR



CHGRD

Comments:

Line weight 1.2 mm

See PresLib section 8.5.3 for instructions on scaling the scale bars.

Examples on ENC:

N/A

References:

S57	INT 1
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Symbol Name:

SY(SCALEB11)

RN: 230

Symbol Explanation: 10 mile latitude scale for display scales smaller than 1/80,000

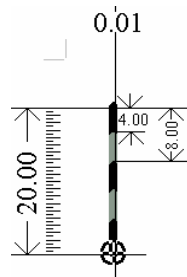
Look up table affected: N/A

Pivot Point Column: 0.00

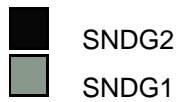
Pivot Point Row: 20.00

Width of Bounding Box: 0.01

Height of Bounding Box: 20.00



Symbol Colours:



Comments:

Line weight 1.2 mm

See PresLib section 8.5.3 for instructions on scaling the scale bars.

Examples on ENC:

N/A

References:

S57	INT 1
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Symbol Name:

SY(SILBUI01)

RN: 231

Symbol Explanation: silo

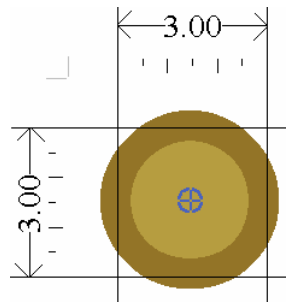
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

Pivot Point Row: 1.50

Width of Bounding Box: 3.00

Height of Bounding Box: 3.00



Symbol Colours:



Comments: Outline weight 0.60.3 mm; circle diameter 3.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
SILTNK	E 33	

Symbol Name:

SY(SILBUI11)

RN: 232

Symbol Explanation: conspicuous silo

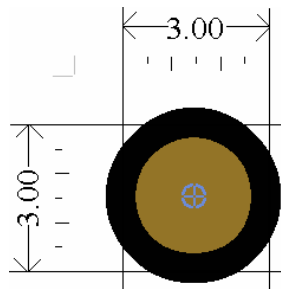
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

Pivot Point Row: 1.50

Width of Bounding Box: 3.00

Height of Bounding Box: 3.00




Symbol Colours:



Comments: Outline weight 0.6 mm; circle diameter 3.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
SILTNK	E 2, 33	(E 33) 

Symbol Name:

SY(SISTAT02)

RN: 233

Symbol Explanation: signal station

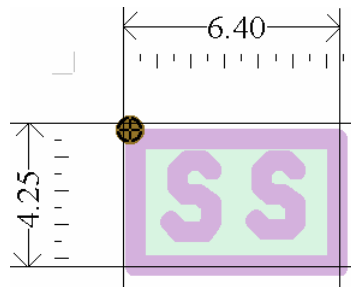
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 0.24

Pivot Point Row: 0.24

Width of Bounding Box: 6.40

Height of Bounding Box: 4.25



Symbol Colours:



Comments:

Box outline weight 0.6 mm; point diameter 0.8 mm;  
Other dimensions like CGUSTA02

Examples on ENC:

References:

S57	INT 1	
SISTAT	T 21-25.2, 27	(T 21) ◆ SS (INT)
SISTAW	T 20, 26-36	(T 20) ◆ SS

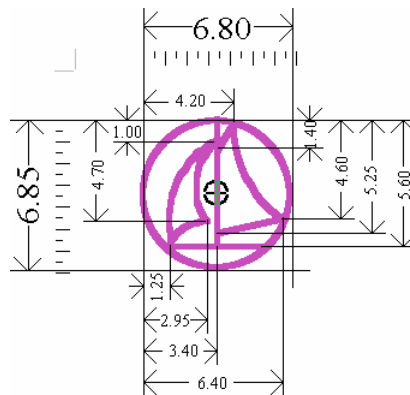
Symbol Name:	<b>SY(SMCFAC02)</b>	RN: 234
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Symbol Explanation: yacht harbour, marina

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 3.40  
Pivot Point Row: 3.45

Width of Bounding Box: 6.80  
Height of Bounding Box: 6.85




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 6.8 mm

Examples on ENC: N/A

References:

S57	INT 1	
HRBFAC	U 1.1, 1.2	(U 1.1) 
SMCFAC	F 17; G 93, 131; U 2-13, 15-30	

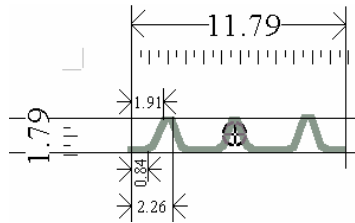
Symbol Name:	<b>SY(SNDWAV02)</b>	RN: 235
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Symbol Explanation: sand waves

Look up table affected: line symbols paper chart point symbols  
simplified point symbols

Pivot Point Column: 5.80  
Pivot Point Row: 1.01

Width of Bounding Box: 11.79  
Height of Bounding Box: 1.79




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57		INT 1
SNDWAV	J 14	

Symbol Name:

SY(SOUNDG00)

RN: 236

Symbol Explanation: deep soundings, greater than safety depth

Look up table affected: N/A

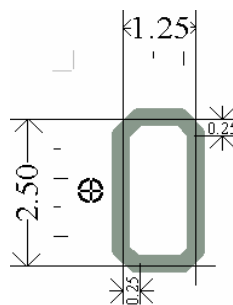
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



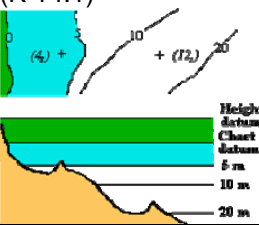

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:	<b>SY(SOUNDG01)</b>	RN: 237
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

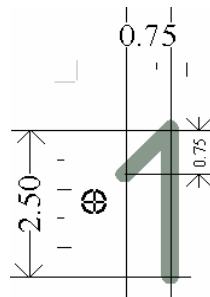
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



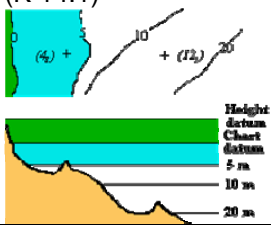



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
SOUNDG	I 2, 4, 10-15; K 17 (I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42 (K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27 (K 14.1) 
WRECKS	K 21, 22, 26, 27, 30 (K 26) 

Symbol Name:

SY(SOUNDG02)

RN: 238

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

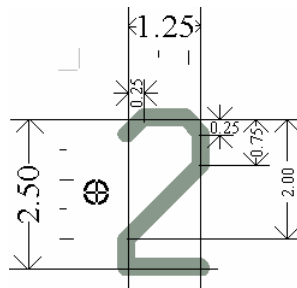
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



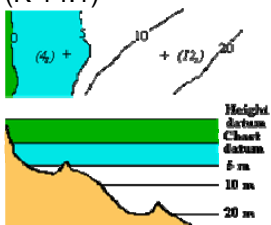

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG03)</b>	RN: 239
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

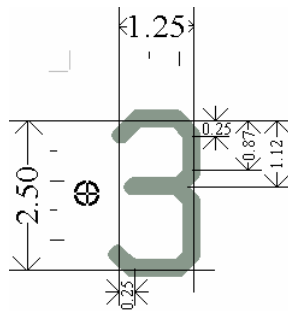
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





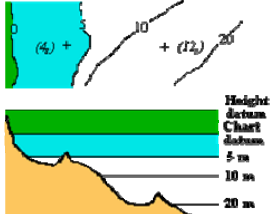



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG04)

RN: 240

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

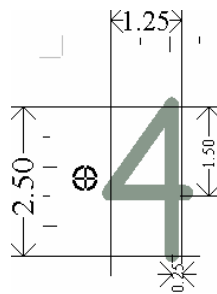
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG05)

RN: 241

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

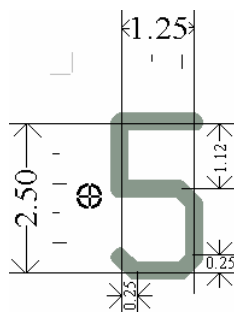
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





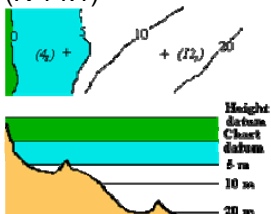

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG06)</b>	RN: 242
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

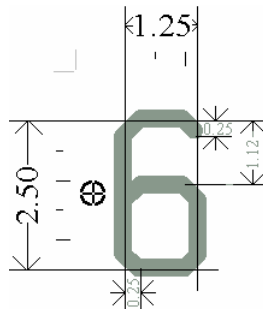
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



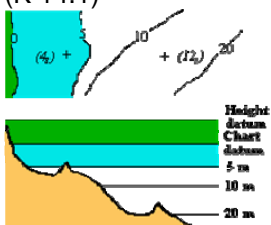



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG07)

RN: 243

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

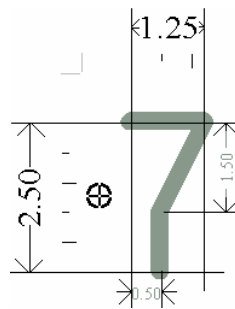
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





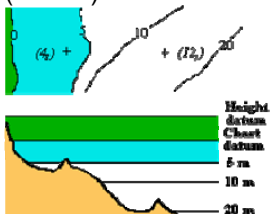

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height datum Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG08)</b>	RN: 244
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

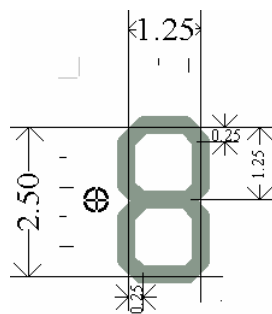
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





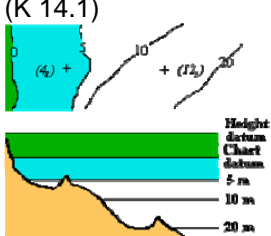



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height Datum Chart 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:

SY(SOUNDG09)

RN: 245

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

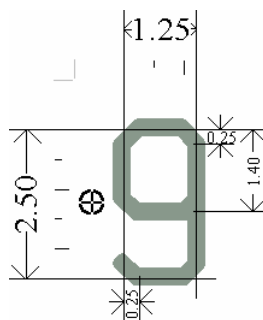
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



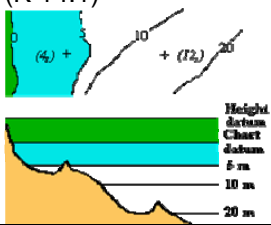

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG10)

RN: 246

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

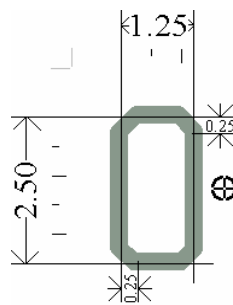
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



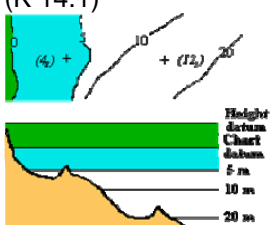

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG11)

RN: 247

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

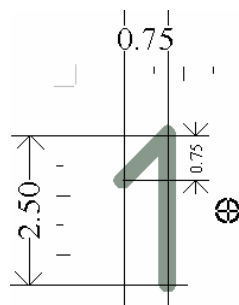
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





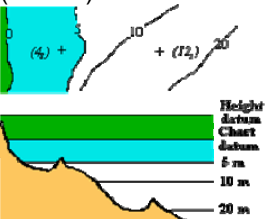

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height datum Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG12)

RN: 248

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

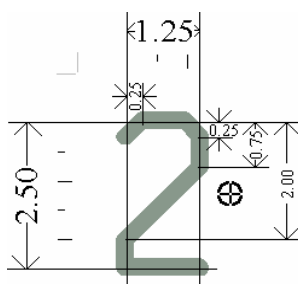
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



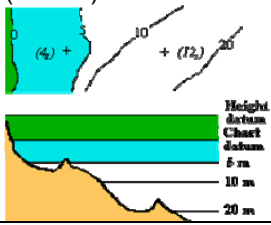

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG13)

RN: 249

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

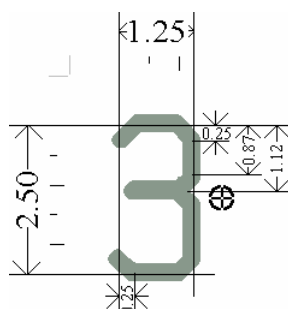
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





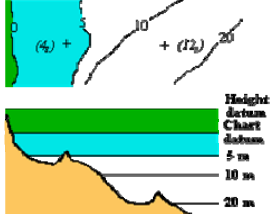

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG14)

RN: 250

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

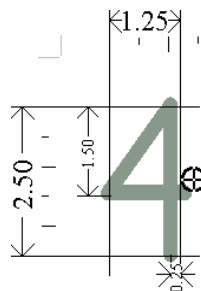
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



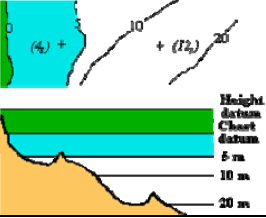

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG15)</b>	RN: 251
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

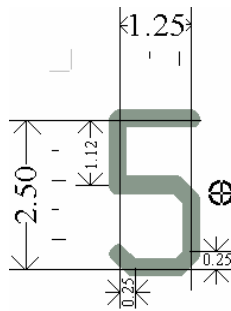
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





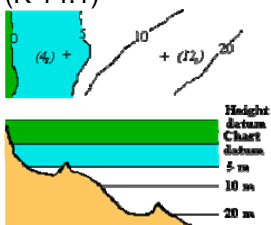



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG16)</b>	RN: 252
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

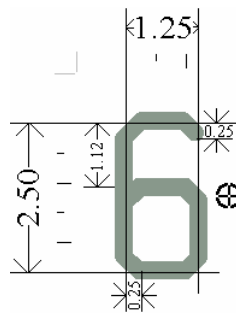
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





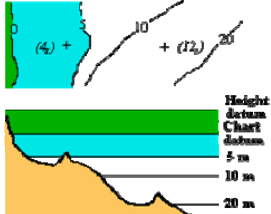




Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:

SY(SOUNDG17)

RN: 253

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

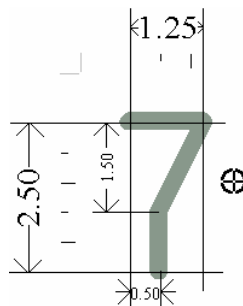
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





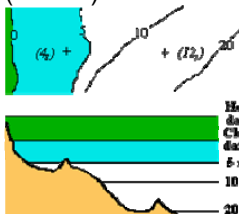

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height datum Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG18)</b>	RN: 254
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

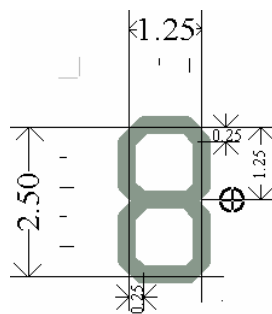
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG19)</b>	RN: 255
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

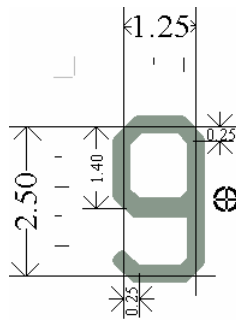
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG20)

RN: 256

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

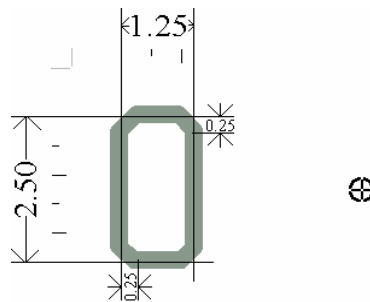
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



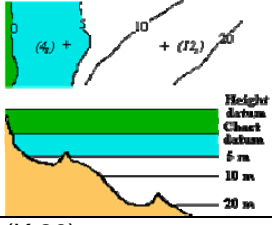

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG21)

RN: 257

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

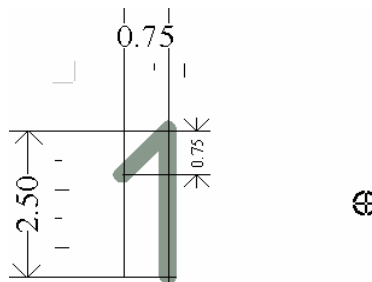
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



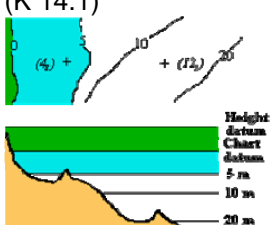

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG22)</b>	RN: 258
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

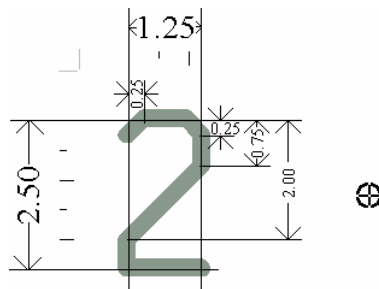
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





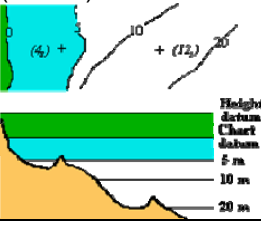



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG23)

RN: 259

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

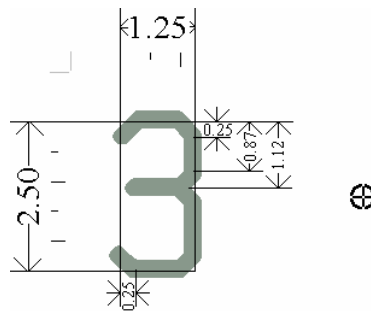
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



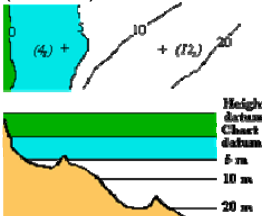

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG24)</b>	RN: 260
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

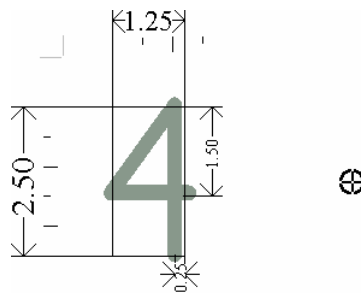
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:

SY(SOUNDG25)

RN: 261

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

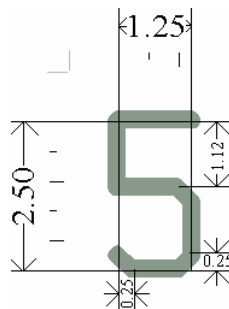
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





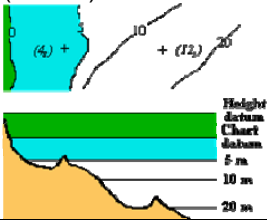

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG26)

RN: 262

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

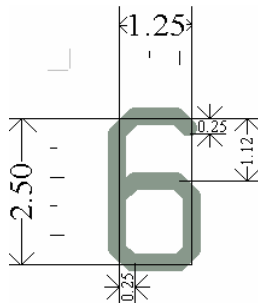
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



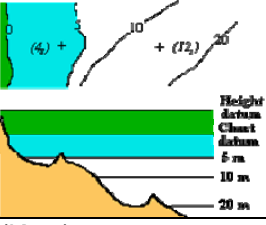

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG27)

RN: 263

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

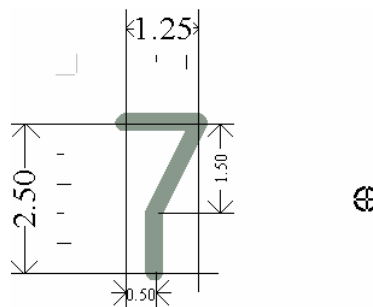
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



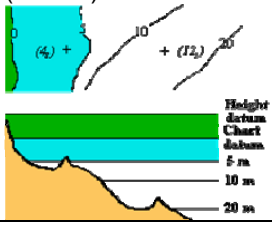

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG28)

RN: 264

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

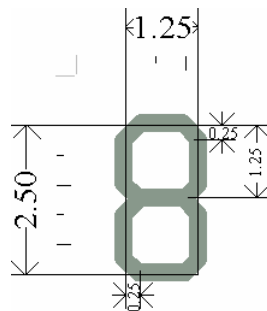
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



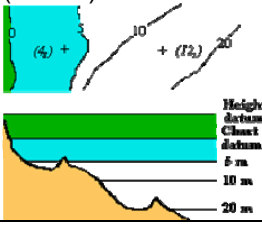

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG29)</b>	RN: 265
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

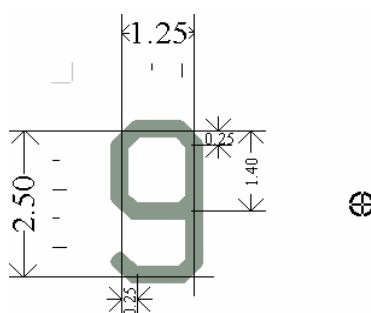
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





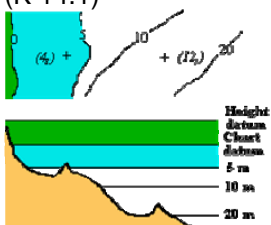



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
SOUNDG	I 2, 4, 10-15; K 17 (I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42 (K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27 (K 14.1) 
WRECKS	K 21, 22, 26, 27, 30 (K 26) 

Symbol Name:

SY(SOUNDG30)

RN: 266

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

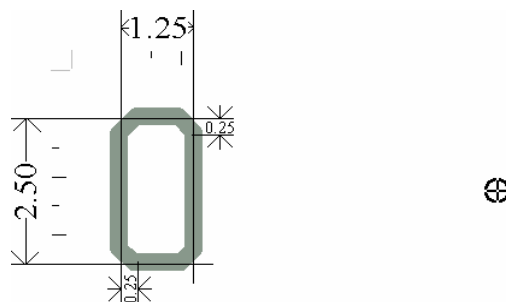
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



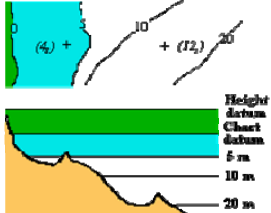

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG31)</b>	RN: 267
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

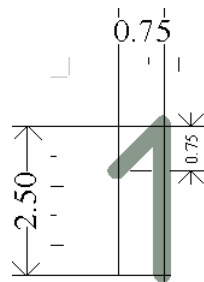
Called by CSP etc.: CSP SNDFRM03 Continuation C


Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



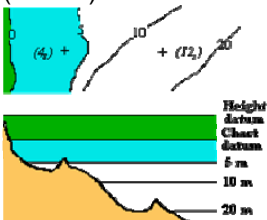



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57		INT 1
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG32)

RN: 268

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

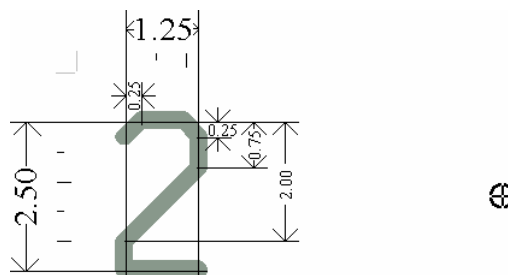
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



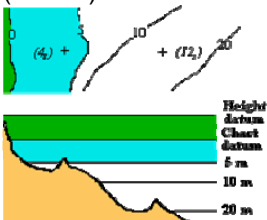

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:	<b>SY(SOUNDG33)</b>	RN: 269
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

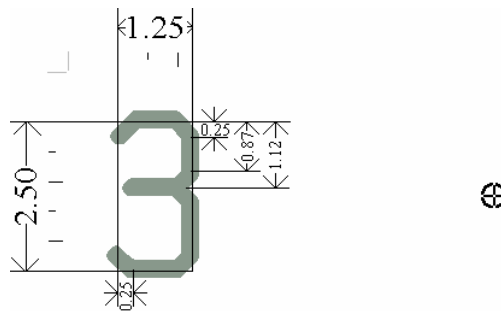
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG34)</b>	RN: 270
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

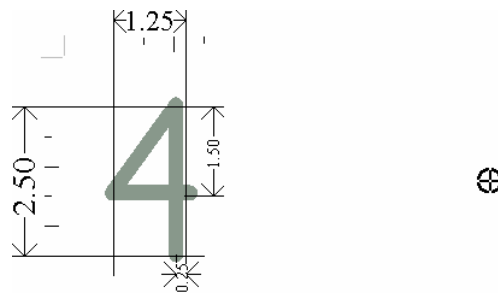
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG35)

RN: 271

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

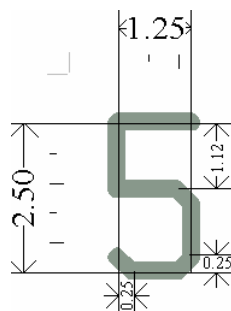
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





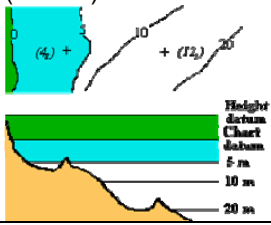

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height datum Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG36)

RN: 272

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

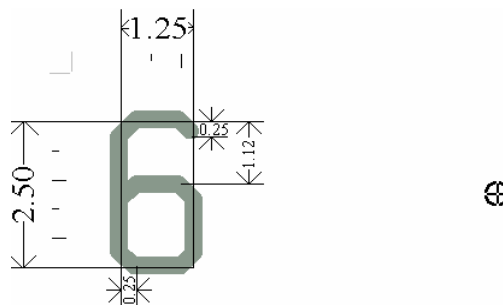
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:





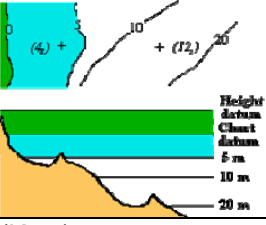

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG37)

RN: 273

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

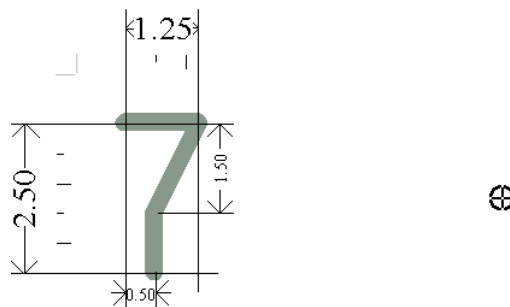
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

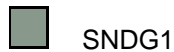
Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



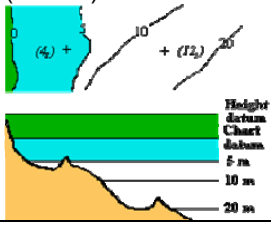

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG38)

RN: 274

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

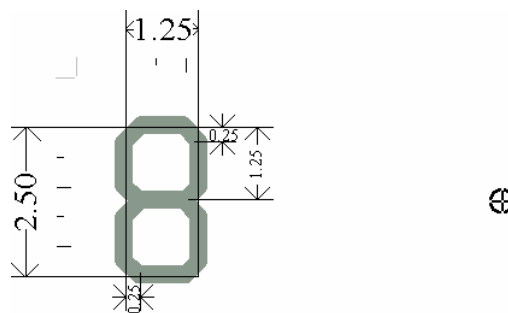
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



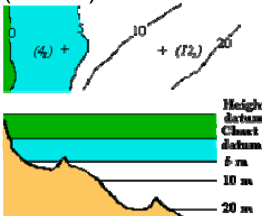

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG39)</b>	RN: 275
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

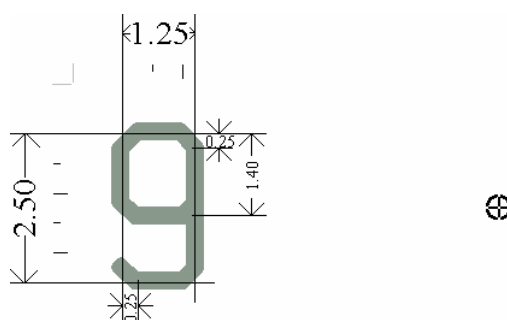
Called by CSP etc.: CSP SNDFRM03 Continuation C


Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



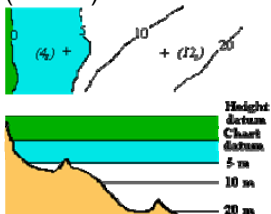



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height datum Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG40)

RN: 276

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

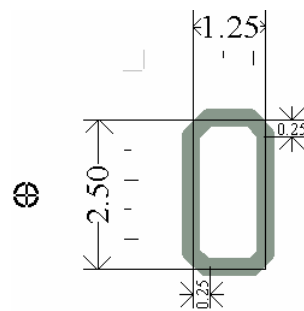
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



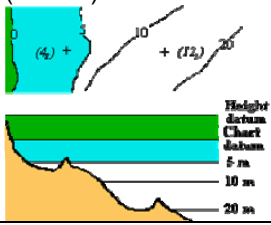

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:

SY(SOUNDG41)

RN: 277

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

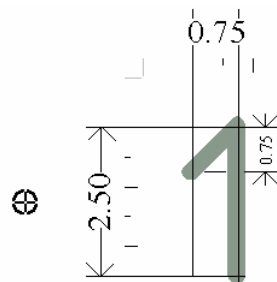
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



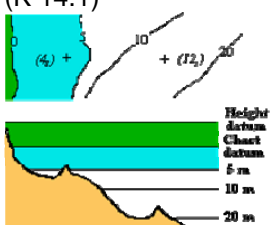

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG42)</b>	RN: 278
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

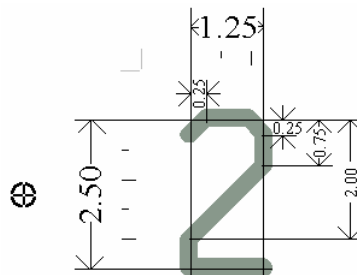
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





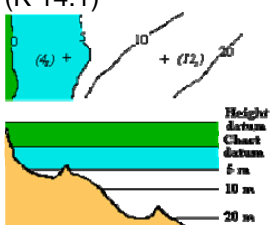



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG43)</b>	RN: 279
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

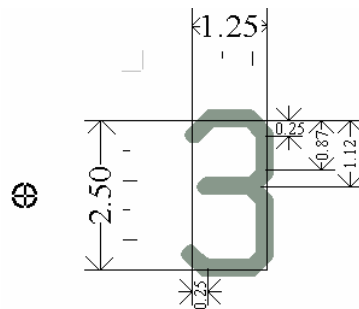
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



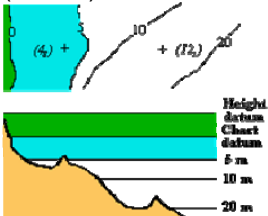



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG44)

RN: 280

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

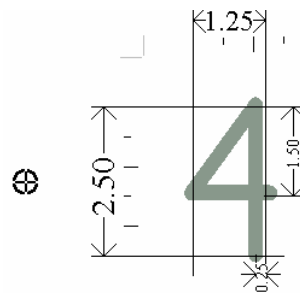
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG45)</b>	RN: 281
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

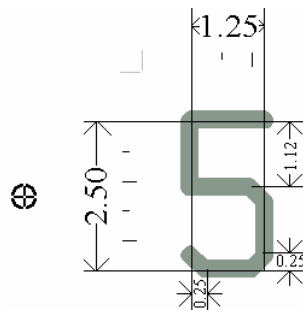
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG46)</b>	RN: 282
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

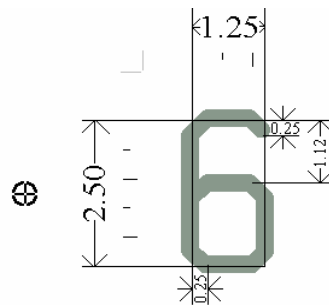
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



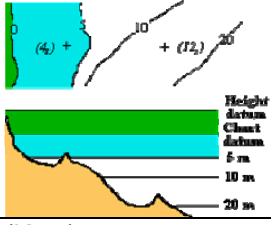



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC:

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG47)</b>	RN: 283
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

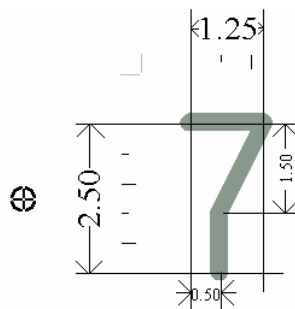
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





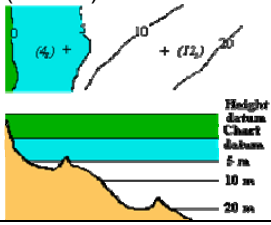



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG48)

RN: 284

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

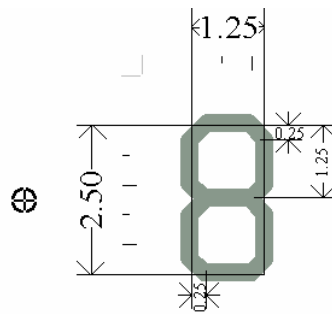
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
SOUNDG	I 2, 4, 10-15; K 17 (I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42 (K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27 (K 14.1)  Height depth Class depth 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30 (K 26) 



Symbol Name:

SY(SOUNDG49)

RN: 285

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

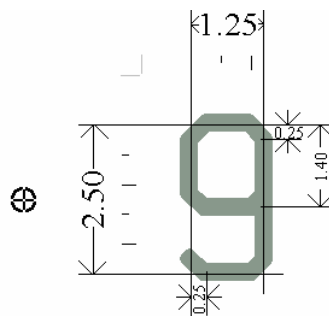
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



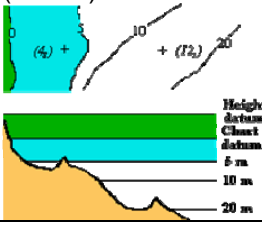

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
SOUNDG	(I 4) 
OBSTRN	(K 41) 
UWTROC	(K 14.1) 
WRECKS	(K 26) 

Symbol Name:

SY(SOUNDG50)

RN: 286

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

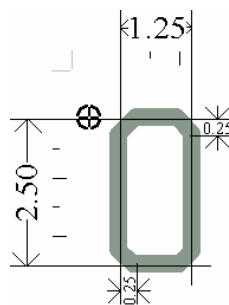
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



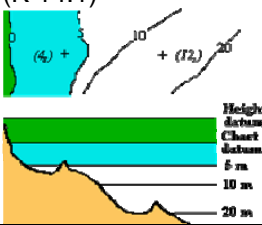

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG51)

RN: 287

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

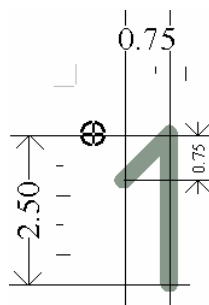
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





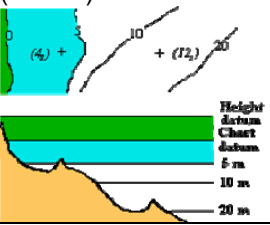

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG52)

RN: 288

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

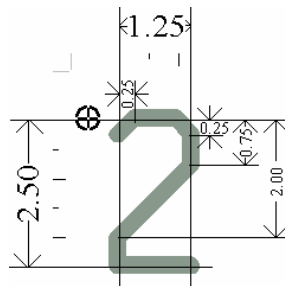
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



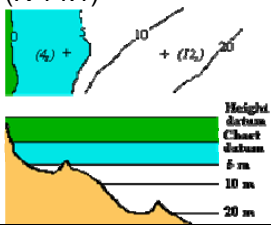

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG53)</b>	RN: 289
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

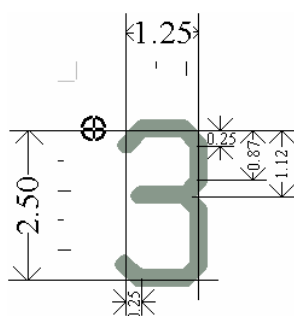
Called by CSP etc.: CSP SNDFRM03 Continuation A


Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



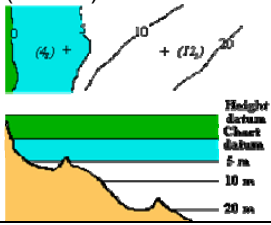



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG54)

RN: 290

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG55)

RN: 291

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

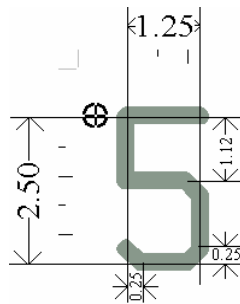
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



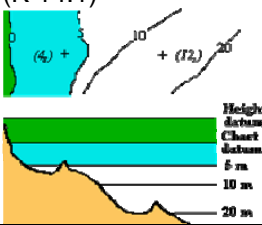

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:	<b>SY(SOUNDG56)</b>	RN: 292
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Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

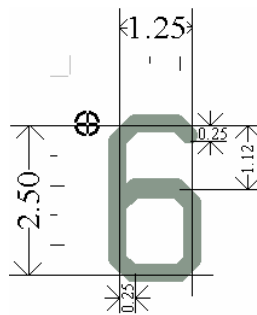
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 



Symbol Name:

SY(SOUNDG57)

RN: 293

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

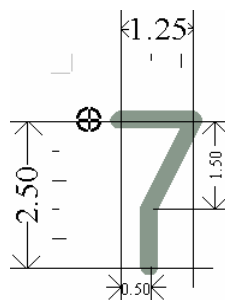
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1





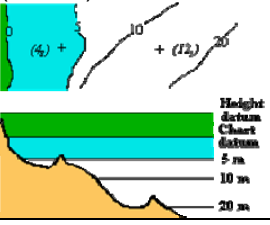

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4)  
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41)  
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1)  Height depth Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG58)

RN: 294

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

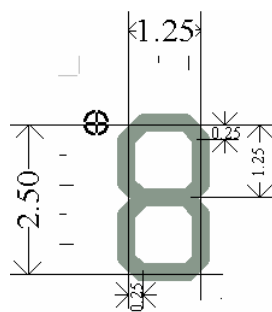
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDG59)

RN: 295

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

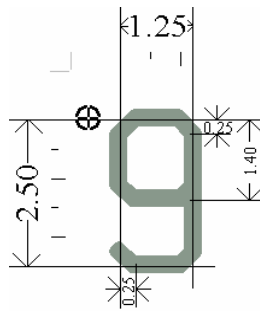
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG1



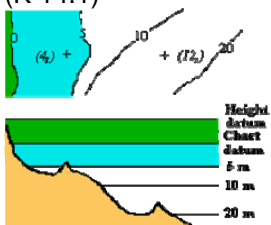

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 4) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(K 41) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(SOUNDGB1)

RN: 296

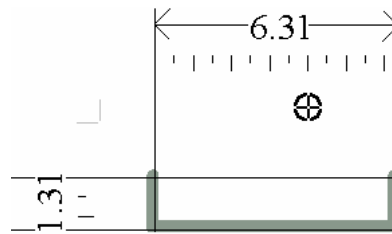
Symbol Explanation: symbol for swept sounding, used for deep soundings greater than safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03

Pivot Point Column: 4.10  
Pivot Point Row: -1.78

Width of Bounding Box: 6.31  
Height of Bounding Box: 1.31



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
as applicable	K 2	
OBSTRN	K 42	
WRECKS	K 27	

Symbol Name:	SY(SOUNDGC2)	RN: 298
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Symbol Explanation: sounding of low accuracy

Look up table affected: N/A

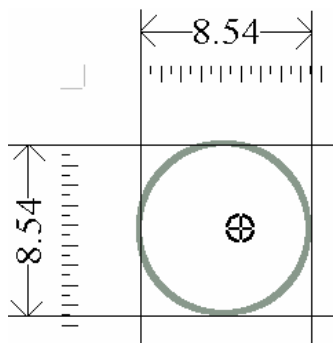
Called by CSP etc.: CSP SNDFRM03

Pivot Point Column: 4.27

Pivot Point Row: 4.27

Width of Bounding Box: 8.54

Height of Bounding Box: 8.54



Symbol Colours:  SNDG1

Comments: Line weight 0.3 mm; circle diameter 8.54 mm

Examples on ENC: N/A

References:

S57	INT 1	
as applicable	B 7, 8; I 1, 3.1, 3.2; IP 89	(B 8) <i>PD</i>
OBSTRN	I 2	(I 2) <i>SD</i>
SOUNDG	I 2, 4, 13, 14	(I 14) 12      97

Symbol Name:

SY(SOUNDS00)

RN: 299

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

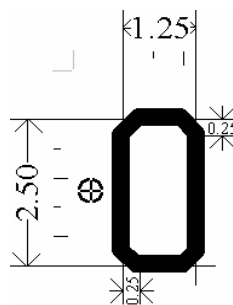
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

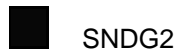
Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 12 9r
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 M41
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 21 R
WRECKS	K 21, 22, 26, 27, 30	(K 30) 25 M41

Symbol Name:

SY(SOUNDS01)

RN: 300

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

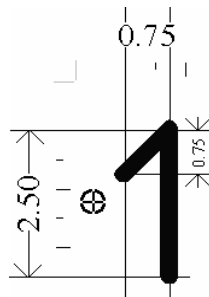
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>f2</i> <i>3r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2l</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS02)

RN: 301

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

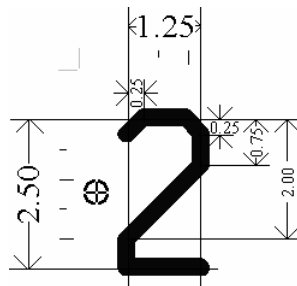
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS03)

RN: 302

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

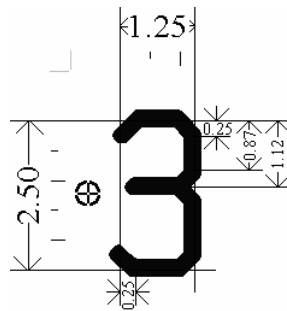
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2</i> <i>9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2i</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS04)

RN: 303

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

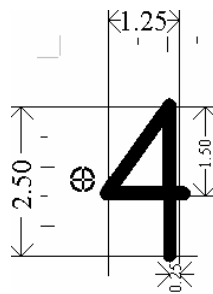
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Met</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) <i>25 Met</i>

Symbol Name:

SY(SOUNDS05)

RN: 304

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

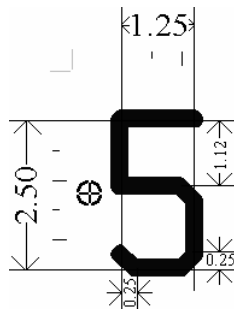
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS06)

RN: 305

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

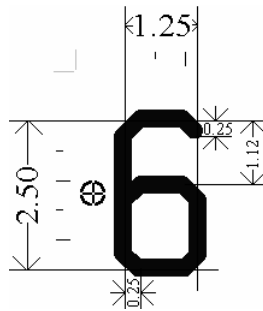
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2





Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS07)

RN: 306

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

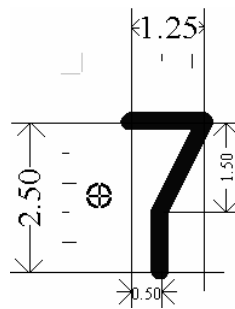
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS08)

RN: 307

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

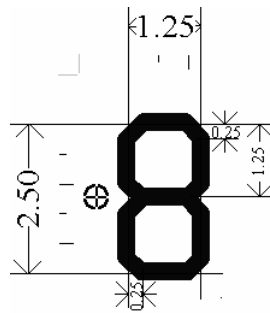
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 3r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS09)

RN: 308

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

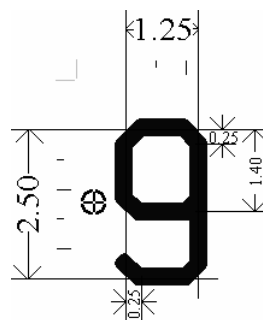
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -0.50

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 M41</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) <i>25 M41</i>

Symbol Name:

SY(SOUNDS10)

RN: 309

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

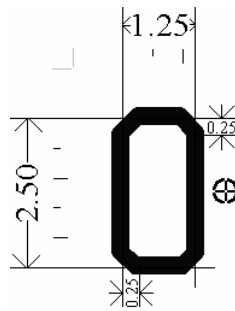
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2r</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS11)

RN: 310

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

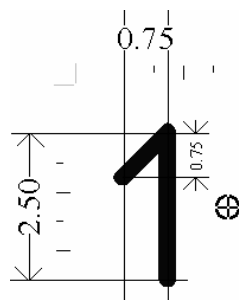
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) #2 3r
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 2r R
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS12)

RN: 311

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

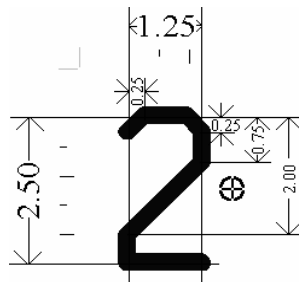
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS13)

RN: 312

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

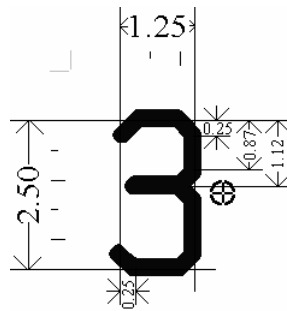
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS14)

RN: 313

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

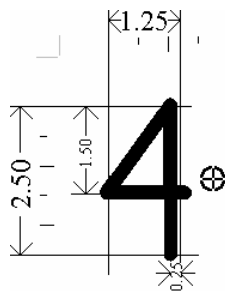
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 3r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS15)

RN: 314

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

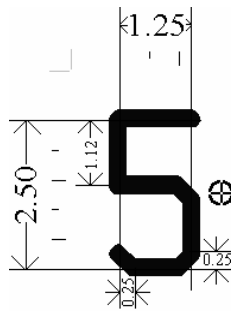
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS16)

RN: 315

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

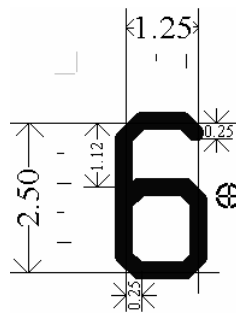
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2r</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS17)

RN: 316

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

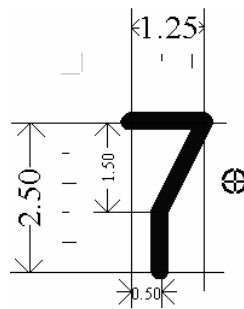
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS18)

RN: 317

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

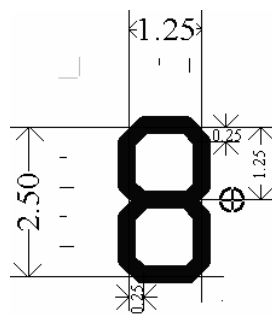
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 3r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS19)

RN: 318

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

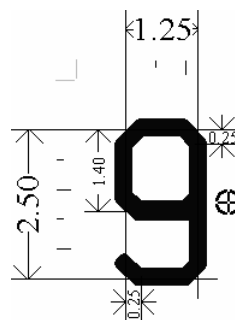
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 1.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2</i> <i>9</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS20)

RN: 319

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

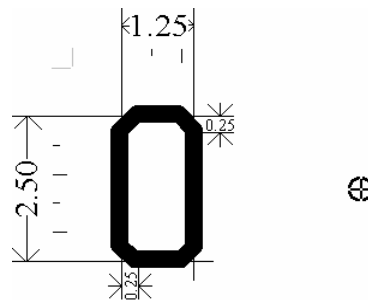
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS21)

RN: 320

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

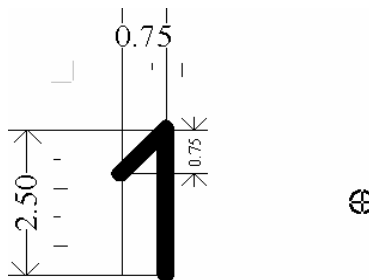
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS2)

RN: 321

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

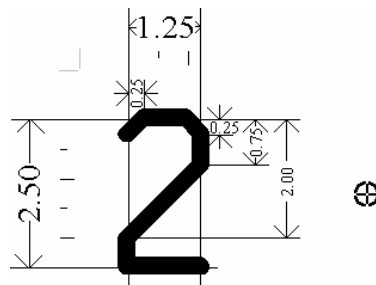
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2





Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS23)

RN: 322

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

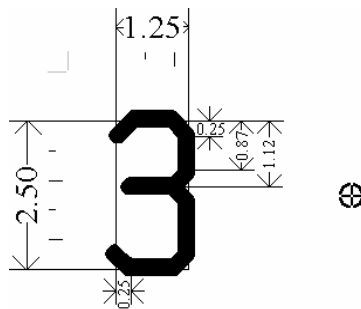
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) #2 3r
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 2r R
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS24)

RN: 323

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

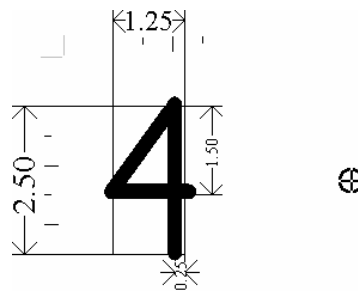
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	SY(SOUNDS25)	RN: 324
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

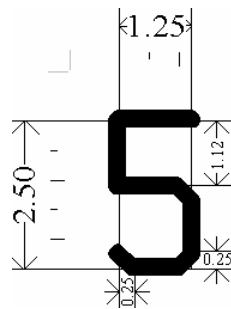
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS26)

RN: 325

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

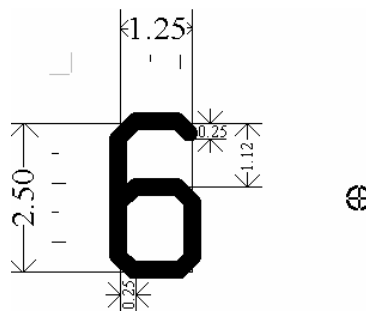
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS27)

RN: 326

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

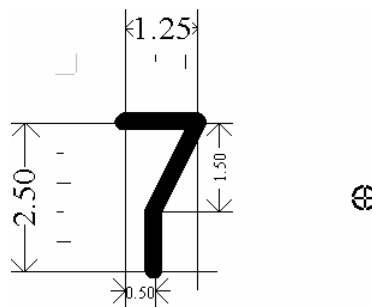
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	SY(SOUNDS28)	RN: 327
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

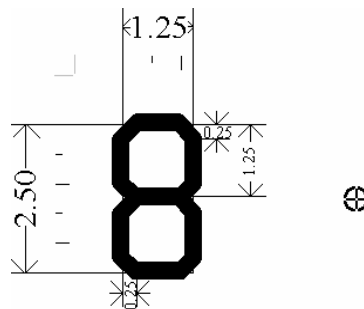
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	SY(SOUNDS29)	RN: 328
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

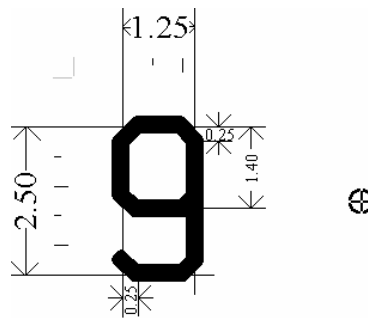
Called by CSP etc.: CSP SNDFRM03 Continuation A, B

Pivot Point Column: 4.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2 9</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>21 WA</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) <i>21 WA</i>

Symbol Name:

SY(SOUNDS30)

RN: 329

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

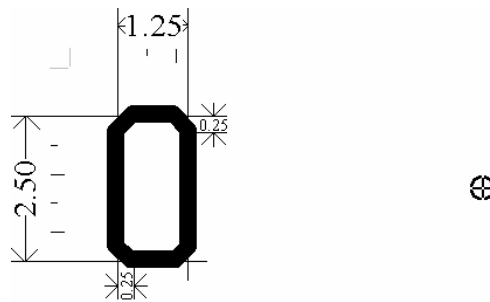
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) I2 37
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) I25 Melt
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) I2 R
WRECKS	K 21, 22, 26, 27, 30	(K 30) I25 WR

Symbol Name:	SY(SOUNDS31)	RN: 330
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

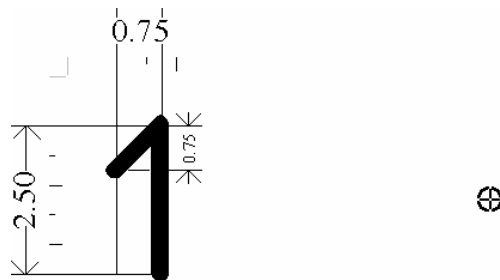
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50





Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	SY(SOUNDS32)	RN: 331
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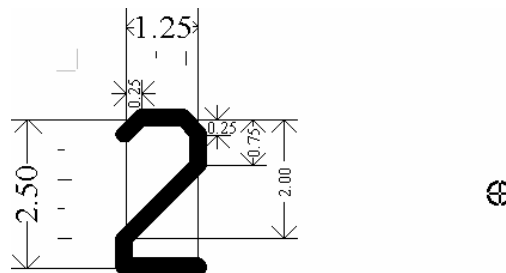
Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25  
Pivot Point Row: 1.25

Width of Bounding Box: 1.25  
Height of Bounding Box: 2.50





Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2</i> <i>9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2r</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS33)

RN: 332

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

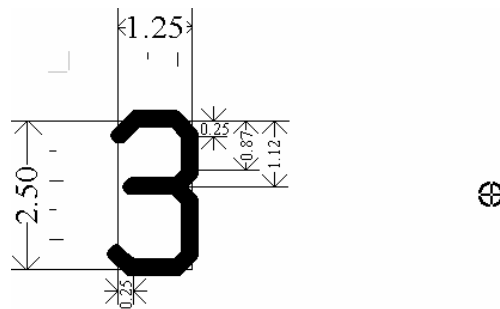
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) #2 #3
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) #1 R
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS34)

RN: 333

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

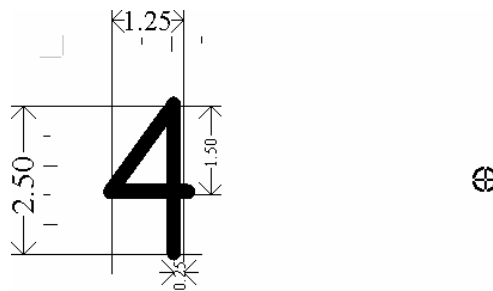
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS35)

RN: 334

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

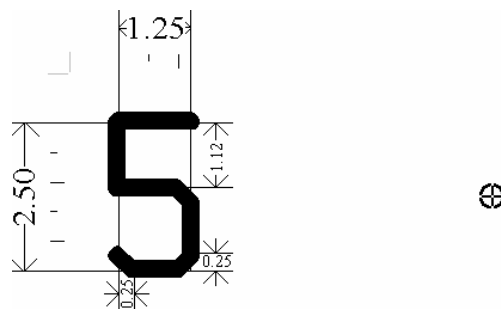
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

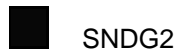
Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS36)

RN: 335

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

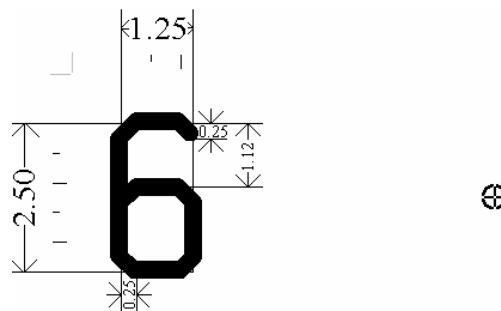
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2





Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS37)

RN: 336

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

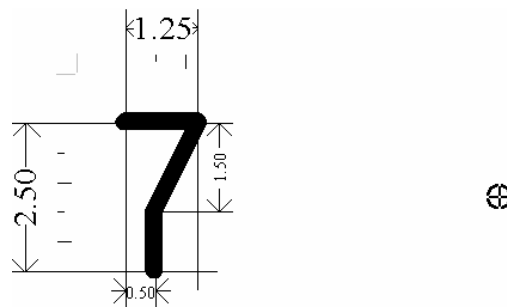
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

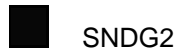
Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50





Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2)  <i>MdE</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30)  <i>MdE</i>

Symbol Name:	SY(SOUNDS38)	RN: 337
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

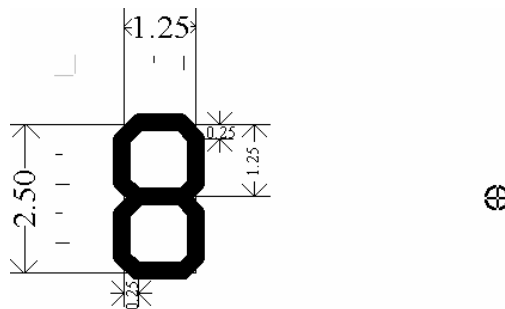
Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	<b>SY(SOUNDS39)</b>	RN: 338
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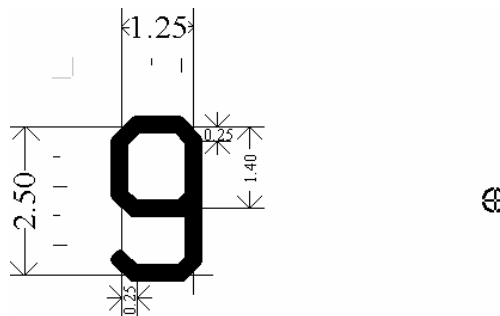
Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03 Continuation C

Pivot Point Column: 6.25  
Pivot Point Row: 1.25

Width of Bounding Box: 1.25  
Height of Bounding Box: 2.50



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2 9</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>21.2</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) <i>21 WA</i>

Symbol Name:

SY(SOUNDS40)

RN: 339

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

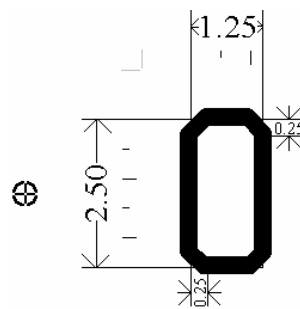
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS41)

RN: 340

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

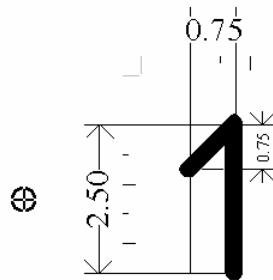
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2</i> <i>9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2r</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	SY(SOUNDS42)	RN: 341
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

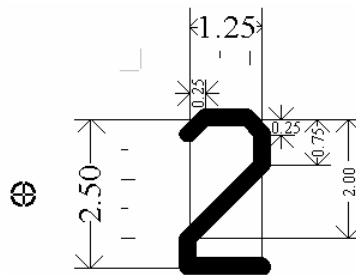
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS43)

RN: 342

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

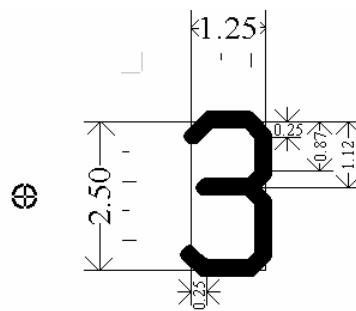
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) #2 3r
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 2r R
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS44)

RN: 343

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

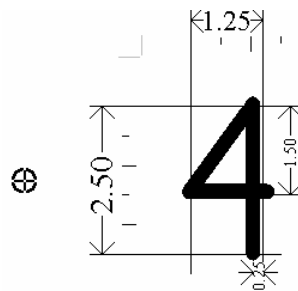
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS45)

RN: 344

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

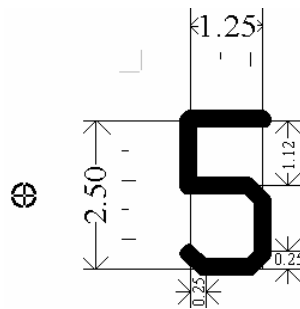
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS46)

RN: 345

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

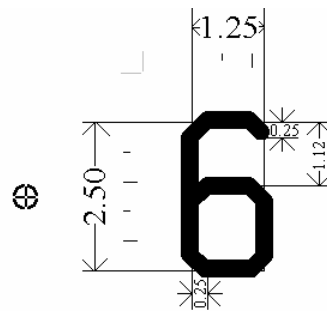
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	SY(SOUNDS47)	RN: 346
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

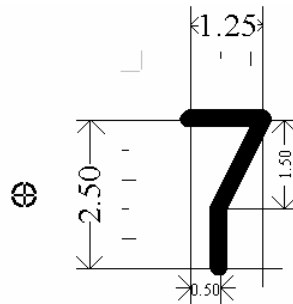
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 37</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>(25) 1141</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) <i>(25) 1141</i>

Symbol Name:

SY(SOUNDS48)

RN: 347

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

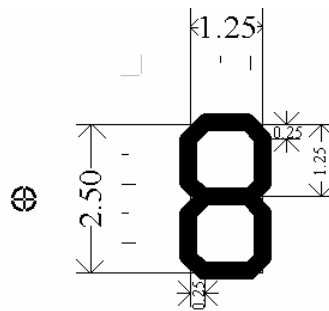
Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	<b>SY(SOUNDS49)</b>	RN: 348
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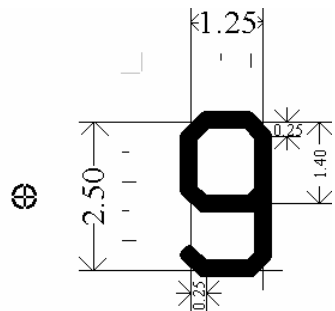
Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03 Continuation B

Pivot Point Column: -2.75  
Pivot Point Row: 1.25

Width of Bounding Box: 1.25  
Height of Bounding Box: 2.50



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>i2</i> <i>9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2l</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS50)

RN: 349

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

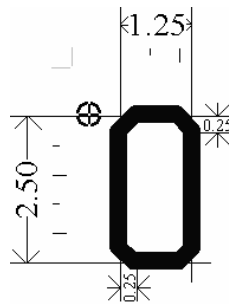
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS51)

RN: 350

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

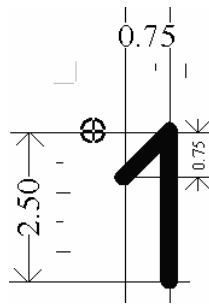
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS52)

RN: 351

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

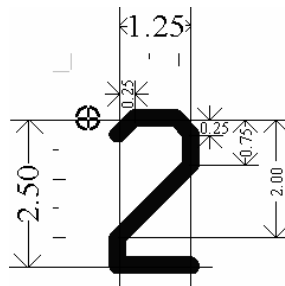
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>27</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS53)

RN: 352

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

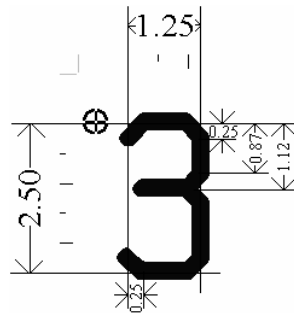
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2





Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS54)

RN: 353

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

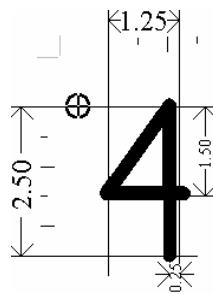
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Met</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) <i>25 Met</i>

Symbol Name:

SY(SOUNDS55)

RN: 354

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

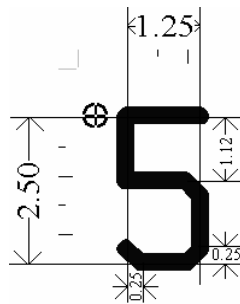
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

## References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21 R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS56)

RN: 355

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

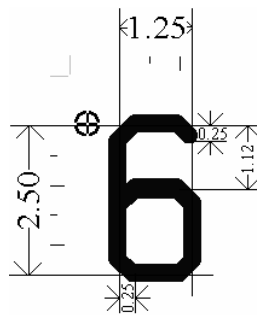
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) 
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) 
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS57)

RN: 356

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

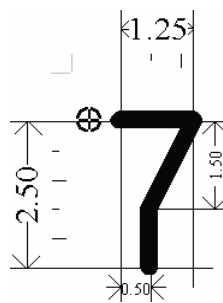
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) #2 #r
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) #1 R
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:

SY(SOUNDS58)

RN: 357

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

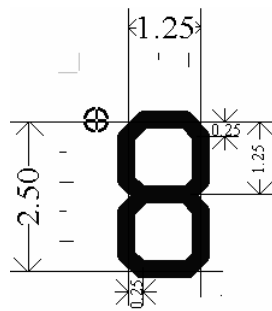
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 9r</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>2r</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 



Symbol Name:

SY(SOUNDS59)

RN: 358

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

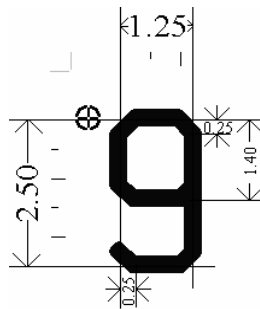
Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



SNDG2

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
SOUNDG	I 2, 4, 10-15; K 17	(I 10) <i>12 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 15) <i>21</i> <i>R</i>
WRECKS	K 21, 22, 26, 27, 30	(K 30) 

Symbol Name:	<b>SY(SOUNDSA1)</b>	RN: 359
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Symbol Explanation: symbol for drying height, used for shallow soundings, less than or equal to safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03 Continuation A

Pivot Point Column: 2.25  
Pivot Point Row: -2.20

Width of Bounding Box: 2.05  
Height of Bounding Box: 0.01



Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
UWTROC	K 11	
WRECKS	K 21, 30	
SOUNDG	I 15	

Symbol Name:

SY(SOUNDSB1)

RN: 360

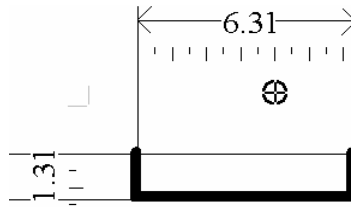
Symbol Explanation: symbol for swept soundings, used for shallow soundings, less than or equal to safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM03

Pivot Point Column: 4.10  
Pivot Point Row: -1.78

Width of Bounding Box: 6.31  
Height of Bounding Box: 1.31







Symbol Colours:  SNDG2

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1	
as applicable	K 2	
OBSTRN	K 42	 Obstrn  Obstrn
WRECKS	K 27	 Wrecks  Wrecks

Symbol Name:

SY(SOUNDSC2)

RN: 362

Symbol Explanation: sounding of low accuracy

Look up table affected: N/A

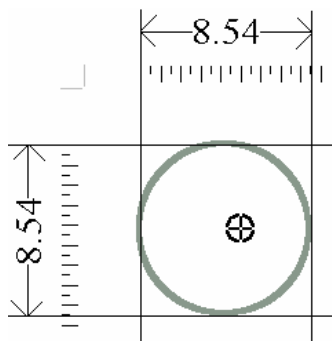
Called by CSP etc.: CSP SNDFRM03

Pivot Point Column: 4.27

Pivot Point Row: 4.27

Width of Bounding Box: 8.54

Height of Bounding Box: 8.54



Symbol Colours:



SNDG1

Comments:

Line weight 0.3 mm; circle diameter 8.54 mm

Examples on ENC:

N/A

References:

S57	INT 1	
as applicable	B 7, 8; I 1, 3.1, 3.2	(I 1) 
OBSTRN	I 2	
SOUNDG	I 2, 4, 13, 14	(I 13) 

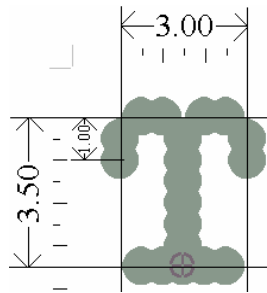
Symbol Name:	SY( <b>SPRING02</b> )	RN: 363
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Symbol Explanation: spring

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 3.50

Width of Bounding Box: 3.00  
Height of Bounding Box: 3.50




Symbol Colours:  CHGRD

Comments: Dot diameter 0.9 mm

Examples on ENC: N/A

References:

S57	INT 1	
SPRING	J 15	

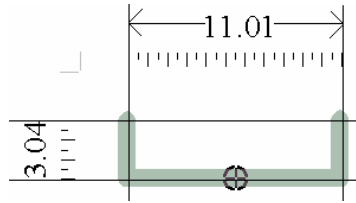
Symbol Name:	SY(SWPARE51)	RN: 364
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Symbol Explanation: swept area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 5.60  
Pivot Point Row: 3.08

Width of Bounding Box: 11.01  
Height of Bounding Box: 3.04



Symbol Colours:  CHGRF

Comments: Line weight 0.9 mm

~~Examples on ENC: N/A~~

~~References:~~

S57	INT 1
SWPARE	I-24

Symbol Name: SY(TIDCUR05) RN: 365

Symbol Explanation: predicted tidal stream or current direction

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 7.50

Width of Bounding Box: 4.00

Height of Bounding Box: 15.00

Symbol Colours: NINFO

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
tidcur	IEC 61174 Annex E Section 8	

Symbol Name: SY(TIDCUR04) RN: 366

Symbol Explanation: actual tidal stream or current direction

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 7.50

Width of Bounding Box: 4.00

Height of Bounding Box: 15.00

Symbol Colours: NINFO

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
tidcur	IEC 61174 Annex E Section 13	



Symbol Name:	SY(TIDCUR03)	RN: 367
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Symbol Explanation: box for current strength

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 10.69

Pivot Point Row: -5.53

Width of Bounding Box: 8.15

Height of Bounding Box: 4.68

Symbol Colours: NINFO

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

Non-standard object	INT 1
tidcur	IEC 61174 Annex E Section 13

S57	INT 1
SWPARE	1.24
	

Symbol Name:

SY(TIDEHT01)

RN: 368

Symbol Explanation: point for which tide height information is available

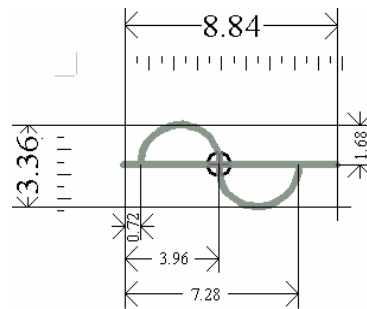
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 3.96

Pivot Point Row: 1.69

Width of Bounding Box: 8.84

Height of Bounding Box: 3.36

Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1	
T_HMON	not specified	
T_NHMN	not specified	
T_TIMS	not specified	

Symbol Name:

SY(TIDSTR01)

RN: 369

Symbol Explanation: point or area for which a tidal stream table is available

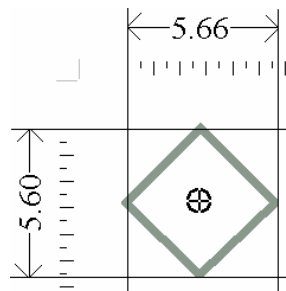
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 2.80

Pivot Point Row: 2.81

Width of Bounding Box: 5.66

Height of Bounding Box: 5.60



Symbol Colours:



CHGRD


Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
TS_PAD	H 31, 46	(H 46) 
TS_PNH	not specified	
TS_PRH	not specified	
TS_TIS	not specified	

Symbol Name:

SY(TMARDEF1)

RN: 370

Symbol Explanation: topmark for beacons, flag or other shape, paper-chart

Look up table affected: N/A

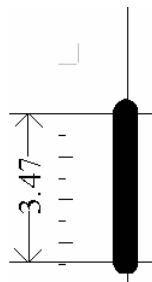
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 0.08

Pivot Point Row: 9.37

Width of Bounding Box: 0.00

Height of Bounding Box: 3.47



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 9, 10, 82

Symbol Name:

SY(TMARDEF2)

RN: 371

Symbol Explanation: topmark for buoys, flag or other shape, paper-chart

Look up table affected: N/A

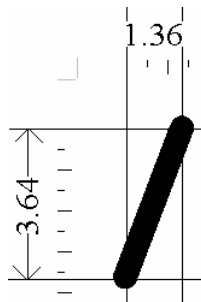
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: -0.67

Pivot Point Row: 8.66

Width of Bounding Box: 1.36

Height of Bounding Box: 3.64



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 9, 11, 30

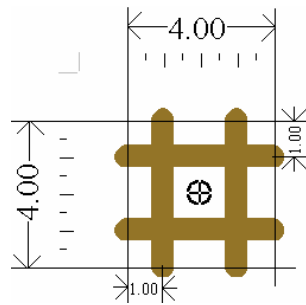
Symbol Name:	SY(TMBYRD01)	RN: 372
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Symbol Explanation: timber yard

Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 2.00  
 Pivot Point Row: 2.00

Width of Bounding Box: 4.00  
 Height of Bounding Box: 4.00



Symbol Colours:  LANDF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
PRDARE	F 52	#

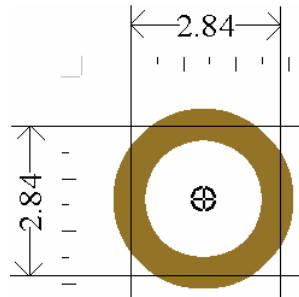
Symbol Name:	SY(TNKCON02)	RN: 373
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Symbol Explanation: tank

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.42  
Pivot Point Row: 1.41

Width of Bounding Box: 2.84  
Height of Bounding Box: 2.84



Symbol Colours:  LANDF

Comments: Line weight [0.60.3](#) mm; circle diameter 2.84 mm

Examples on ENC: N/A

References:

S57	INT 1		
BUISGL	Not specified		
PRDARE	Not specified		
SILTNK	E 32	• ⊕	T a n k s

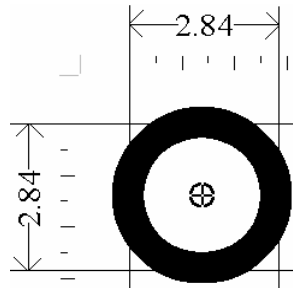
Symbol Name:	SY(TNKCON12)	RN: 374
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Symbol Explanation: conspicuous tank

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.42  
Pivot Point Row: 1.41

Width of Bounding Box: 2.84  
Height of Bounding Box: 2.84





Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm; circle diameter 2.84 mm

Examples on ENC: N/A

References:

S57	INT 1		
BUISGL	Not specified		
PRDARE	Not specified		
SILTNK	E 32	 	T a n k s



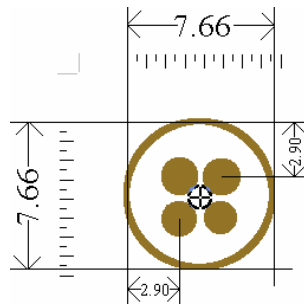
Symbol Name:	SY(TNKFRM01)	RN: 375
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Symbol Explanation: tank farm

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.90  
Pivot Point Row: 4.00

Width of Bounding Box: 7.66  
Height of Bounding Box: 7.66



Symbol Colours:  LANDF

Comments: Circle line weight 0.3 mm; circle diameter 7.66 mm  
Point diameter 2.24 mm

Examples on ENC: N/A

References:

S57	INT 1	
PRDARE	E 32	T a n k s

Symbol Name:

SY(TNKFRM11)

RN: 376

Symbol Explanation: conspicuous tank farm

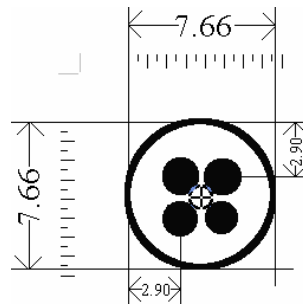
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.92

Pivot Point Row: 4.05

Width of Bounding Box: 7.66

Height of Bounding Box: 7.66



Symbol Colours:



CHBLK

Comments:

Circle line weight ~~0.30~~ 0.6 mm; circle diameter 7.66 mm  
Point diameter 2.24 mm

Examples on ENC:

N/A

References:

S57	INT 1	
PRDARE	E 32	T a n k s

Symbol Name:

SY(TOPMAR02)

RN: 377

Symbol Explanation: topmark for buoys, cone point up, paper-chart

Look up table affected: N/A

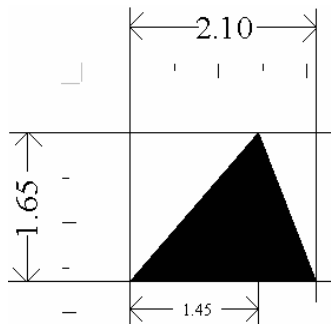
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: -0.10

Pivot Point Row: 6.75

Width of Bounding Box: 2.10

Height of Bounding Box: 1.65



Symbol Colours:



CHBLK

Comments: N/A

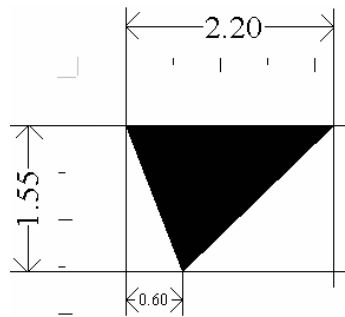
Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 11, 30, 130.1	(Q 9) ✱ ✱

Symbol Name:	<b>SY(TOPMAR04)</b>	RN: 378
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Symbol Explanation: topmark for buoys, cone point down, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.45  
 Pivot Point Row: 6.85  
 Width of Bounding Box: 2.20  
 Height of Bounding Box: 1.55



Symbol Colours:  CHBLK

Comments: N/A

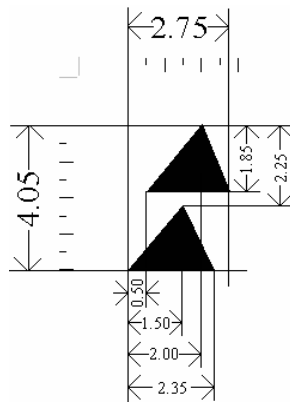
Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Not specified

Symbol Name:	<b>SY(TOPMAR05)</b>	RN: 379
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Symbol Explanation: topmark for buoys, 2 cones point upward, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.10  
 Pivot Point Row: 9.25  
 Width of Bounding Box: 2.75  
 Height of Bounding Box: 4.05



Symbol Colours:  CHBLK

Comments: N/A

Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 11, 130.3	(Q 9)

Symbol Name:

SY(TOPMAR06)

RN: 380

Symbol Explanation: topmark for buoys, 2 cones point downward, paper-chart

Look up table affected: N/A

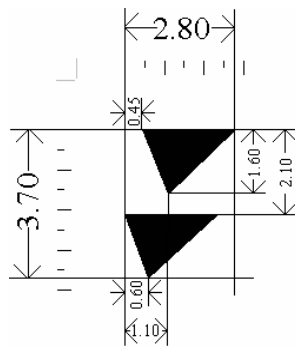
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: -0.45

Pivot Point Row: 9.05

Width of Bounding Box: 2.80

Height of Bounding Box: 3.70

Symbol Colours:  CHBLK

Comments: N/A

Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 9, 11, 30, 130.3 (Q 9)

Symbol Name:

SY(TOPMAR07)

RN: 381

Symbol Explanation: topmark for buoys, 2 cones base to base, paper-chart

Look up table affected: N/A

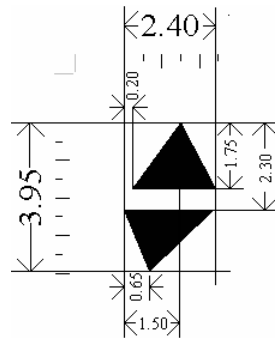
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: -0.45

Pivot Point Row: 9.15

Width of Bounding Box: 2.40

Height of Bounding Box: 3.95

Symbol Colours:  CHBLK

Comments: N/A

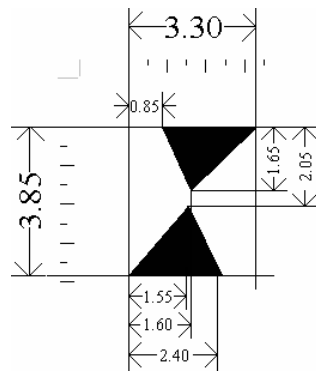
Examples on ENC: N/A

## References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 11, 30, 130.3	(Q 9) 

Symbol Name:	<b>SY(TOPMAR08)</b>	RN: 382
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Symbol Explanation: topmark for buoys, 2 cones point to point, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.05  
 Pivot Point Row: 9.05  
 Width of Bounding Box: 3.30  
 Height of Bounding Box: 3.85



Symbol Colours:  CHBLK  
 Comments: N/A  
 Examples on ENC: N/A

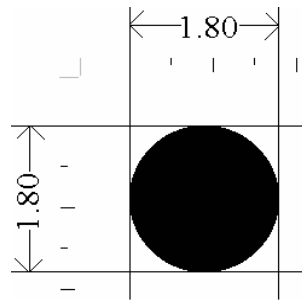
References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 11, 30, 130.3	(Q 9)



Symbol Name:	<b>SY(TOPMAR10)</b>	RN: 383
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Symbol Explanation: topmark for buoys, sphere, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.35  
 Pivot Point Row: 6.95  
 Width of Bounding Box: 1.80  
 Height of Bounding Box: 1.80



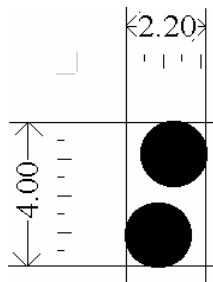
Symbol Colours:  CHBLK  
 Comments: Point diameter 1.8 mm  
 Examples on ENC: N/A

References:

S57		INT 1
TOPMAR	Q 2-5, 9, 11, 30, 130.5	(Q 9) ⌀


Symbol Name:	<b>SY(TOPMAR12)</b>	RN: 384
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Symbol Explanation: topmark for buoys, 2 spheres, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.40  
 Pivot Point Row: 9.15  
 Width of Bounding Box: 2.20  
 Height of Bounding Box: 4.00



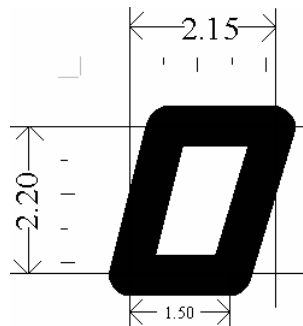
Symbol Colours:  CHBLK  
 Comments: Point diameter 1.8 mm  
 Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 11, 30, 130.4	(Q 9) 

Symbol Name:	<b>SY(TOPMAR13)</b>	RN: 385
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Symbol Explanation: topmark for buoys, cylinder, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.30  
 Pivot Point Row: 7.45  
 Width of Bounding Box: 2.15  
 Height of Bounding Box: 2.20



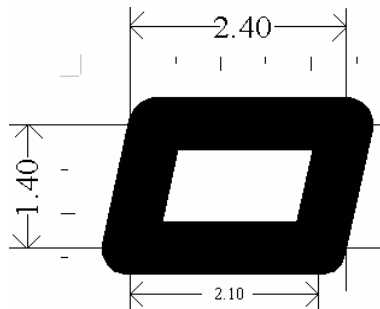
Symbol Colours:  CHBLK  
 Comments: Line weight 0.6 mm  
 Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 11, 30, 130.1	(Q 9) ♦

Symbol Name:	<b>SY(TOPMAR14)</b>	RN: 386
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Symbol Explanation: topmark for buoys, board, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: -0.10  
 Pivot Point Row: 6.70  
 Width of Bounding Box: 2.40  
 Height of Bounding Box: 1.40



Symbol Colours:  CHBLK  
 Comments: Line weight 0.6 mm  
 Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Not specified

Symbol Name:

SY(TOPMAR16)

RN: 387

Symbol Explanation: topmark for buoys, cube point up, paper-chart

Look up table affected: N/A

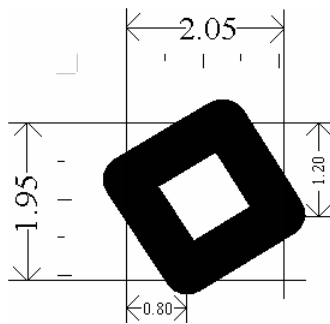
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: -0.30

Pivot Point Row: 7.05

Width of Bounding Box: 2.05

Height of Bounding Box: 1.95



Symbol Colours:



CHBLK

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Not specified

Symbol Name:

SY(TOPMAR17)

RN: 388

Symbol Explanation: topmark for buoys, flag or other shape, paper-chart

Look up table affected: N/A

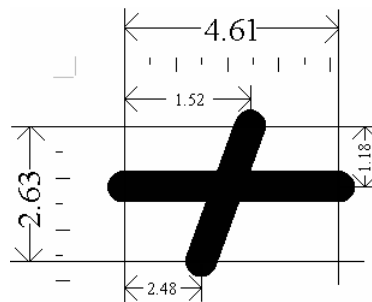
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 0.85

Pivot Point Row: 7.60

Width of Bounding Box: 4.21

Height of Bounding Box: 2.63



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Not specified

Symbol Name:

SY(TOPMAR18)

RN: 389

Symbol Explanation: topmark for buoys, T-Shape, paper-chart

Look up table affected: N/A

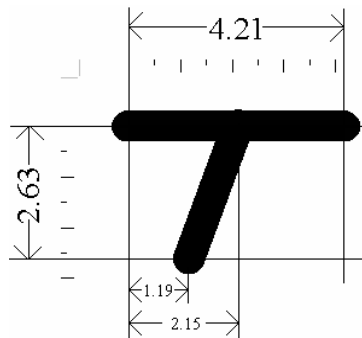
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 0.52

Pivot Point Row: 7.60

Width of Bounding Box: 4.21

Height of Bounding Box: 2.63



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

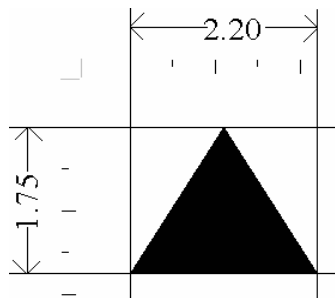
N/A

References:

S57	INT 1
TOPMAR	Not specified


Symbol Name:	<b>SY(TOPMAR22)</b>	RN: 390
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Symbol Explanation: topmark for beacons, cone point up, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: 1.10  
 Pivot Point Row: 7.30  
 Width of Bounding Box: 2.20  
 Height of Bounding Box: 1.75



Symbol Colours:  CHBLK  
 Pattern: N/A  
 Comments: N/A  
 Examples on ENC: N/A

References:

S57		INT 1
TOPMAR	Q 2-5, 9, 10, 82, 110, 130.1	(Q 2) 



Symbol Name:

SY(TOPMAR24)

RN: 391

Symbol Explanation: topmark for beacons, cone point down, paper-chart

Look up table affected: N/A

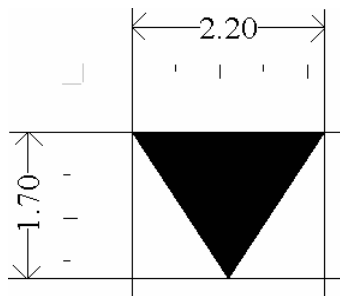
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 7.20

Width of Bounding Box: 2.20

Height of Bounding Box: 1.70



Symbol Colours:



CHBLK

Comments: N/A

Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Not specified

Symbol Name:

SY(TOPMAR25)

RN: 392

Symbol Explanation: topmark for beacons, 2 cones point upward, paper-chart

Look up table affected: N/A

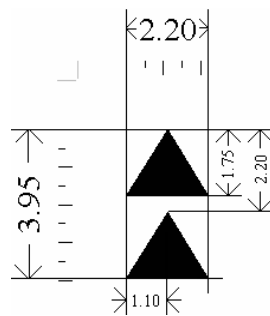
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 9.45

Width of Bounding Box: 2.20


Height of Bounding Box: 3.95

Symbol Colours:  CHBLK

Comments: N/A

Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 10, 82, 110, 130.3	(Q 110) 

Symbol Name:

SY(TOPMAR26)

RN: 393

Symbol Explanation: topmark for beacons, 2 cones point downward, paper-chart

Look up table affected: N/A

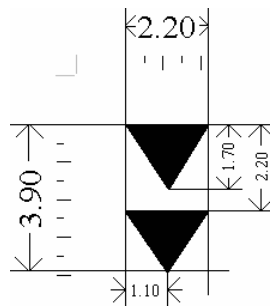
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 9.30

Width of Bounding Box: 2.20

Height of Bounding Box: 3.90



Symbol Colours:



CHBLK

Comments: N/A

Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110, 130.3

Symbol Name:

SY(TOPMAR27)

RN: 394

Symbol Explanation: topmark for beacons, 2 cones base to base, paper-chart

Look up table affected: N/A

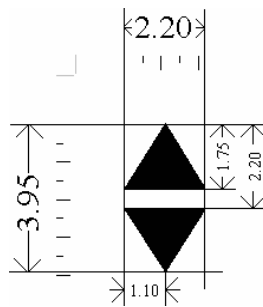
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 9.50

Width of Bounding Box: 2.20

Height of Bounding Box: 3.95



Symbol Colours:



CHBLK

Comments:

N/A

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110, 130.3

Symbol Name:

SY(TOPMAR28)

RN: 395

Symbol Explanation: topmark for beacons, 2 cones point to point, paper-chart

Look up table affected: N/A

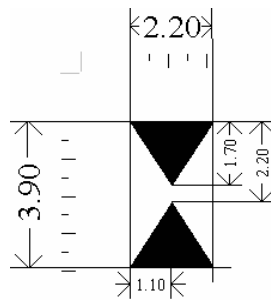
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 9.40

Width of Bounding Box: 2.20

Height of Bounding Box: 3.90



Symbol Colours:



CHBLK

Comments:

N/A

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110, 130.3

Symbol Name:

SY(TOPMAR30)

RN: 396

Symbol Explanation: topmark for beacons, sphere, paper-chart

Look up table affected: N/A

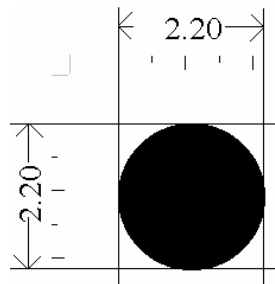
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 7.50

Width of Bounding Box: 2.20

Height of Bounding Box: 2.20



Symbol Colours:



CHBLK

Comments: point diameter 2.2 mm

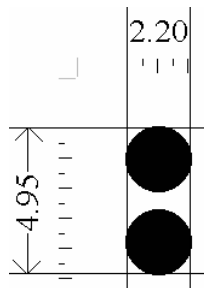
Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110, 130.5


Symbol Name:	<b>SY(TOPMAR32)</b>	RN: 397
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Symbol Explanation: topmark for beacons, 2 spheres, paper-chart  
 Look up table affected: N/A  
 Called by CSP etc.: CSP TOPMAR01  
 Pivot Point Column: 1.10  
 Pivot Point Row: 10.15  
 Width of Bounding Box: 2.20  
 Height of Bounding Box: 4.95



Symbol Colours:  CHBLK  
 Comments: Point diameter 2.2 mm  
 Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 10, 82, 110, 130.4	(Q 110) 

Symbol Name:

SY(TOPMAR33)

RN: 398

Symbol Explanation: topmark for beacons, cylinder, paper-chart

Look up table affected: N/A

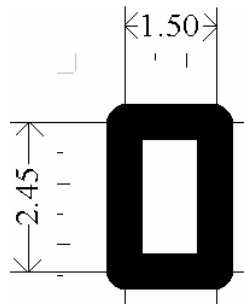
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 0.75

Pivot Point Row: 8.00

Width of Bounding Box: 1.50

Height of Bounding Box: 2.45



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 10, 82, 110, 130.1	(Q 110)



Symbol Name:

SY(TOPMAR34)

RN: 399

Symbol Explanation: topmark for beacons, board, paper-chart

Look up table affected: N/A

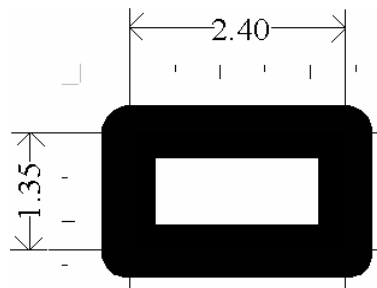
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.20

Pivot Point Row: 7.00

Width of Bounding Box: 2.40

Height of Bounding Box: 1.35



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57		INT 1
TOPMAR	Not specified	

Symbol Name:	<b>SY(TOPMAR36)</b>	RN: 400
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Symbol Explanation: topmark for beacons, cube point up, paper-chart

Look up table affected: N/A

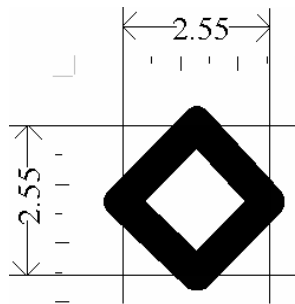
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.30

Pivot Point Row: 7.75

Width of Bounding Box: 2.55

Height of Bounding Box: 2.55




Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 10, 82, 110, 123	(Q 123) 

Symbol Name:

SY(TOPMAR65)

RN: 401

Symbol Explanation: topmark for buoys, x-shape, paper-chart

Look up table affected: N/A

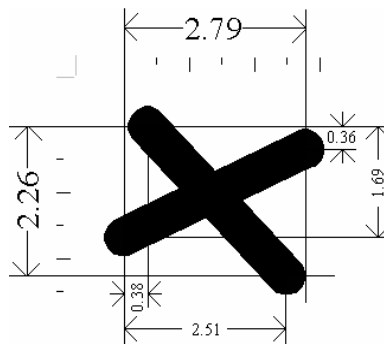
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 0.20

Pivot Point Row: 7.18

Width of Bounding Box: 2.79

Height of Bounding Box: 2.26



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 9, 10, 50-57, 59, 62, 70, 71, 130.6	(Q 9) ✳

Symbol Name:

SY(TOPMAR85)

RN: 402

Symbol Explanation: topmark for beacons, x-shape, paper-chart

Look up table affected: N/A

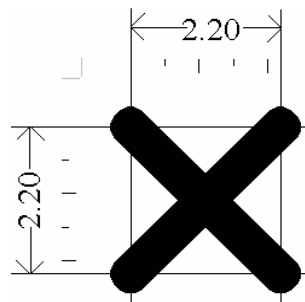
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.10

Pivot Point Row: 7.50

Width of Bounding Box: 2.20

Height of Bounding Box: 2.20



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110, 130.6

Symbol Name:

SY(TOPMAR86)

RN: 403

Symbol Explanation: topmark for beacons, upright cross, paper-chart

Look up table affected: N/A

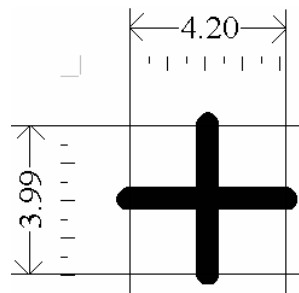
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 2.17

Pivot Point Row: 9.68

Width of Bounding Box: 4.20

Height of Bounding Box: 3.99



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110

Symbol Name:

SY(TOPMAR87)

RN: 404

Symbol Explanation: topmark for beacons, besom point down, paper-chart

Look up table affected: N/A

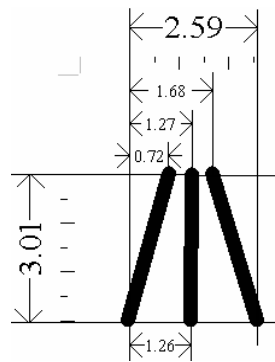
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.24

Pivot Point Row: 8.20

Width of Bounding Box: 2.59

Height of Bounding Box: 3.01



Symbol Colours:



CHBLK

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
TOPMAR	Q 2-5, 10, 82, 91	(Q 91) ↑

Symbol Name:

SY(TOPMAR88)

RN: 405

Symbol Explanation: topmark for beacons, besom point up, paper-chart

Look up table affected: N/A

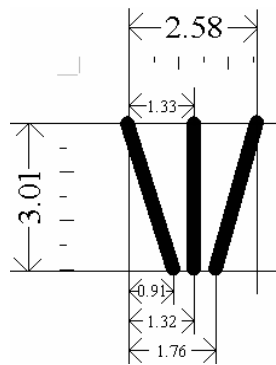
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.33

Pivot Point Row: 8.15

Width of Bounding Box: 2.58

Height of Bounding Box: 3.01



Symbol Colours:



CHBLK

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 91 (Q 91) Y

Symbol Name:

SY(TOPMAR89)

RN: 406

Symbol Explanation: topmark for beacons, T-shape, paper-chart

Look up table affected: N/A

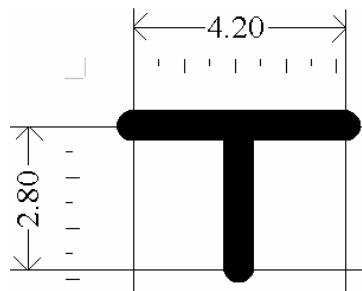
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 2.17

Pivot Point Row: 8.73

Width of Bounding Box: 4.20

Height of Bounding Box: 2.80



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
TOPMAR	Not specified



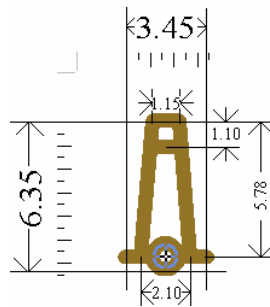
Symbol Name:	<b>SY(TOWERS01)</b>	RN: 407
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Symbol Explanation: tower

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.73  
Pivot Point Row: 5.78

Width of Bounding Box: 3.45  
Height of Bounding Box: 6.35






Symbol Colours:  LANDF

Comments: Line weight 0.60.3 mm; circle diameter 1.14 mm

Examples on ENC: N/A

References:

S57	INT 1			
LNDMRK	E 20; G 68	(E 20) <table border="1" style="width: 100%; height: 30px;"> <tr> <td style="text-align: center; width: 50%;"></td> <td style="text-align: center; width: 50%;">Tr</td> </tr> </table>		Tr
	Tr			
SILTNK	Not specified			

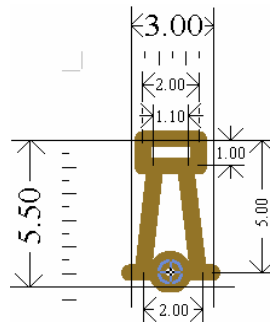
Symbol Name:	<b>SY(TOWERS02)</b>	RN: 408
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Symbol Explanation: water tower

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 5.00

Width of Bounding Box: 3.00  
Height of Bounding Box: 5.50



Symbol Colours:  LANDF

Comments: Line weight ~~0.6~~0.3 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
SILTNK	E 21	

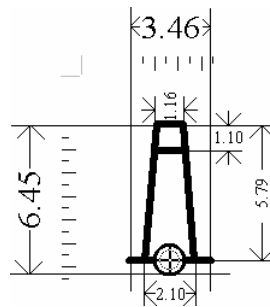
Symbol Name:	<b>SY(TOWERS03)</b>	RN: 409
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Symbol Explanation: conspicuous tower

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.75  
Pivot Point Row: 5.79

Width of Bounding Box: 3.46  
Height of Bounding Box: 6.35



Symbol Colours:  CHBLK

Comments: Line weight 0.306 mm; circle diameter 1.12 mm

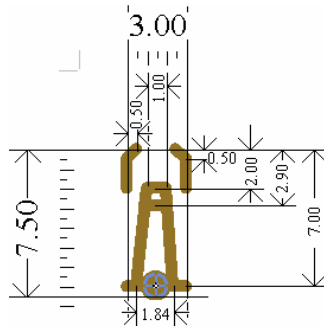
Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 2, 20; G 68	(E 20) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #f4a460; padding: 5px; text-align: center;"> </div> <div style="background-color: #f4a460; padding: 5px; text-align: center;">Tr</div> </div>
SILTNK	Not specified	

Symbol Name:	<b>SY(TOWERS05)</b>	RN: 410
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Symbol Explanation: radio, television tower  
 Look up table affected: N/A  
 Pivot Point Column: 1.50  
 Pivot Point Row: 7.00  
 Width of Bounding Box: 3.00  
 Height of Bounding Box: 7.50




Symbol Colours:  LANDF

Comments: Line weight 0.60.3 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 29	(E 29)
		

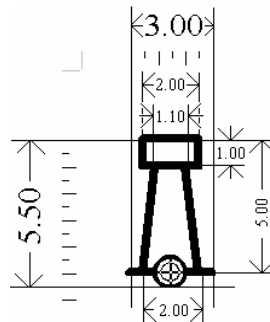
Symbol Name:	<b>SY(TOWERS12)</b>	RN: 411
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Symbol Explanation: conspicuous water tower

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50  
Pivot Point Row: 5.00

Width of Bounding Box: 3.00  
Height of Bounding Box: 5.50




Symbol Colours:  CHBLK

Comments: Line weight ~~0.30~~ 0.6 mm; circle diameter 1.0 mm

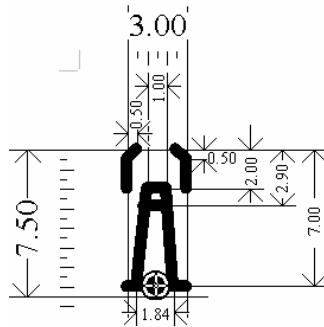
Examples on ENC: N/A

References:

S57	INT 1	
SILTNK	E 2, 21	

Symbol Name:	<b>SY(TOWERS15)</b>	RN: 412
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Symbol Explanation: conspicuous radio, television tower  
 Look up table affected: N/A  
 Pivot Point Column: 1.50  
 Pivot Point Row: 7.00  
 Width of Bounding Box: 3.00  
 Height of Bounding Box: 7.50




Symbol Colours:  CHBLK

Comments: Line weight 0.6 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 2, 29	(E 29)
		

Symbol Name:	SY(TREPNT04)	RN: 413
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Symbol Explanation: general symbol for a tree

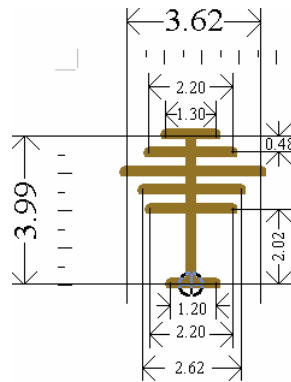
Look up table affected: N/A

Pivot Point Column: 1.76

Pivot Point Row: 4.01

Width of Bounding Box: 3.62

Height of Bounding Box: 3.99




Symbol Colours:  LANDF

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
VEGATN	C 30, 31	(C 30) 

Symbol Name:	SY(TREPNT05)	RN: 414
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Symbol Explanation: mangrove

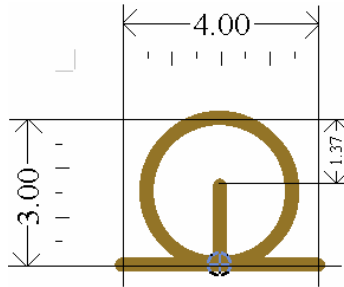
Look up table affected: N/A

Pivot Point Column: 2.00

Pivot Point Row: 3.00

Width of Bounding Box: 4.00

Height of Bounding Box: 3.00

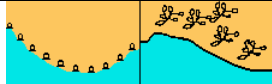


Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; circle diameter 3.0 mm

Examples on ENC: N/A

References:

S57		INT 1
VEGATN	C 32	



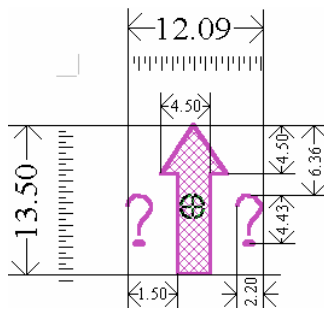
Symbol Name:	SY(TSLDEF51)	RN: 415
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Symbol Explanation: one way lane of a traffic separation scheme, with the direction not defined in the data

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.03  
Pivot Point Row: 7.50

Width of Bounding Box: 12.09  
Height of Bounding Box: 13.50



Symbol Colours:  TRFCD  
 CHMGD (question mark)

Comments: Line weight 0.3 mm  
Question mark line weight 0.3 mm; dot line weight 0.6 mm  
Transparency 75%

Examples on ENC: N/A

References:

S57	INT 1
DWRTPT	M 27.1-2

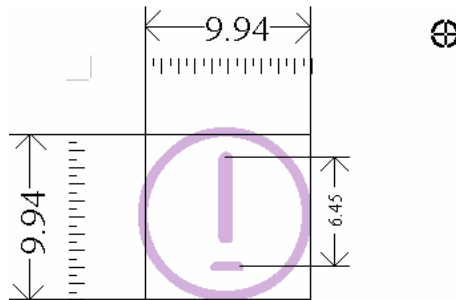
Symbol Name:	SY(TSSCRS51)	RN: 416
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Symbol Explanation: traffic crossing area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 18.01  
Pivot Point Row: -6.02

Width of Bounding Box: 9.94  
Height of Bounding Box: 9.94



Symbol Colours:  TRFCF

Comments: Line weight 0.6 mm; circle diameter 9.94 mm

Examples on ENC: N/A

References:

S57	INT 1
TSSCRS	M 23

Symbol Name:

SY(TSSLPT51)

RN: 417

Symbol Explanation: traffic direction in a one way lane of a traffic separation scheme

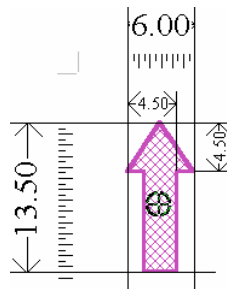
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.00

Pivot Point Row: 7.50

Width of Bounding Box: 6.00

Height of Bounding Box: 13.50



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm; transparency 75%.

Examples on ENC:

N/A

References:

S57		INT 1
DWRTPT	M 27.1-2	
TSSLPT	not specified	

Symbol Name:

SY(TSSRON51)

RN: 418

Symbol Explanation: traffic roundabout

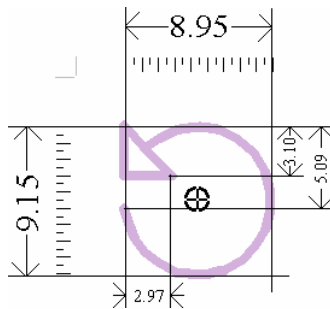
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 4.47

Pivot Point Row: 4.57

Width of Bounding Box: 8.95

Height of Bounding Box: 9.15



Symbol Colours:



TRFCF

Comments:

Line weight 0.6 mm; circle diameter 8.95

Examples on ENC:

N/A

References:

S57	INT 1
TSSRON	M 21

Symbol Name:	SY(TWRDEF51)	RN: 419
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Symbol Explanation: two way route of a traffic separation scheme, with the direction not defined in the data

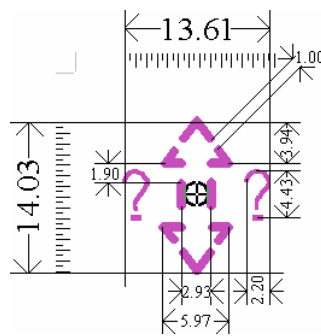
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 6.89

Pivot Point Row: 6.94

Width of Bounding Box: 13.61

Height of Bounding Box: 14.03



Symbol Colours:  TRFCD  
 CHMGD (question mark)

Comments: Line weight 0.9 mm  
Question mark line weight 0.3 mm; dot line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1
TWRTPT	M 28.2

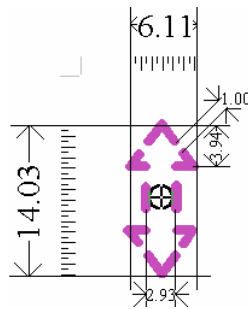
Symbol Name:	SY(TWRTPT52)	RN: 420
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Symbol Explanation: reciprocal traffic directions in a two-way route of a traffic separation scheme

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.11  
Pivot Point Row: 6.94

Width of Bounding Box: 6.11  
Height of Bounding Box: 14.03



Symbol Colours:  TRFCD

Comments: Line weight 0.9 mm  
Other dimensions like TWRDEF51

Examples on ENC: N/A

References:

S57	INT 1
TWRTPT	M 28.2

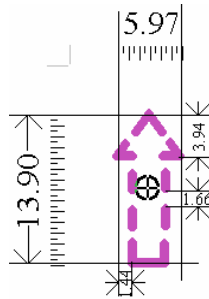
Symbol Name:	SY(TWRTP53)	RN: 421
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Symbol Explanation: single traffic direction in a two-way route part of a traffic separation scheme

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 2.97  
Pivot Point Row: 6.94

Width of Bounding Box: 5.97  
Height of Bounding Box: 13.90



Symbol Colours:  TRFCD

Comments: Line weight 0.9 mm

Examples on ENC: N/A

References:

S57	INT 1
TWRTP53	M 28.2

Symbol Name:	SY(UWTROC03)	RN: 424
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Symbol Explanation: dangerous underwater rock of uncertain depth

Look up table affected: N/A

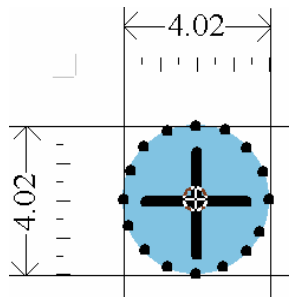
Called by CSP etc.: CSP OBSTRN05 Continuation A

Pivot Point Column: 2.01

Pivot Point Row: 2.01

Width of Bounding Box: 4.02

Height of Bounding Box: 4.02



Symbol Colours:

- DEPVS
- CHBLK

Comments: Line weight 0.3 mm; circle diameter 4.02 mm  
Dot diameter 0.3 mm; 16 dots around the circle

Examples on ENC: N/A

References:

S57	INT 1
UWTROC	K 13, 16 (K 13) 



Symbol Name:

SY(UWTROC04)

RN: 425

Symbol Explanation: rock which covers and uncovers or is awash at low water

Look up table affected: N/A

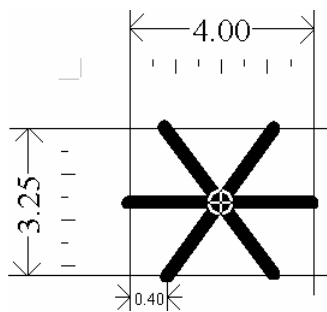
Called by CSP etc.: CSP OBSTRN05 Continuation A

Pivot Point Column: 2.03

Pivot Point Row: 1.64

Width of Bounding Box: 4.00

Height of Bounding Box: 3.25



Symbol Colours:



CHBLK

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
UWTROC	K 11, 12, 15	(K 11) 

Symbol Name:	<del>SY(VECGND02)</del>	<del>RN: 426</del>
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~~Symbol Explanation: arrowhead for own ship vector for course and speed over the ground~~

~~Look up table affected: N/A~~

~~Called by CSP etc.: CSP OWNSHP02~~

~~Pivot Point Column: 1.50~~

~~Pivot Point Row: 0.00~~

~~Width of Bounding Box: 3.00~~

~~Height of Bounding Box: 2.50~~

~~Symbol Colours: SHIPS~~

~~Comments: Line weight 0.6 mm~~

~~Examples on ENC: N/A~~

~~References: IEC 62288 Ed.1~~

S57	<del>INT 1</del>
-----	------------------

Symbol Name:	<b>SY(VECGND22)</b>	RN: 427
--------------	---------------------	---------

Symbol Explanation: arrowhead for ARPA (or AIS) vector for course and speed over the ground

Look up table affected: N/A

Called by CSP etc.: CSP VESSEL02

Pivot Point Column: 1.50

Pivot Point Row: 0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 2.50

Symbol Colours: ARPAT

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
-----	-------

Symbol Name:	<b>SY(VECWTR02)</b>	RN: 428
--------------	---------------------	---------

Symbol Explanation: arrowhead for own ship vector for course and speed through the water

Look up table affected: N/A

Called by CSP etc.: CSP OWNSHP02

Pivot Point Column: 1.50

Pivot Point Row: 0.00

Width of Bounding Box: 3.00

Height of Bounding Box: 1.80

Symbol Colours: SHIPS

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT-1
-----	-------

Symbol Name:	<b>SY(VECWTR22)</b>	RN: 429
--------------	---------------------	---------

Symbol Explanation: ~~arrowhead for ARPA (or AIS) vector for course and speed through the water~~

Look up table affected: ~~N/A~~

Called by CSP etc.: ~~CSP VESSEL02~~

Pivot Point Column: ~~1.50~~

Pivot Point Row: ~~0.00~~

Width of Bounding Box: ~~3.00~~

Height of Bounding Box: ~~1.80~~

Symbol Colours: ~~ARPAT~~

Comments: ~~Line weight 0.6 mm~~

Examples on ENC: ~~N/A~~

References: ~~IEC 62288 Ed.1~~

S57	INT 1
-----	-------

Symbol Name:

SY(WATTUR02)

RN: 430

Symbol Explanation: overfalls, eddies and breakers

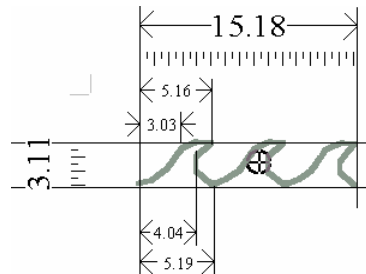
Look up table affected: line symbols  
 paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

Pivot Point Column: 8.50

Pivot Point Row: 1.49

Width of Bounding Box: 15.18



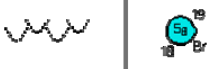
Height of Bounding Box: 3.11

Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1	
WATTUR	H 44, 45; K 17	(H 44)  (H 45)  (K 17) 

Symbol Name: **SY(WAYPNT02)** RN: 431

Symbol Explanation: **waypoint on planned route**

Look up table affected: **paper chart point symbols  
simplified point symbols**

Pivot Point Column: **3.00**

Pivot Point Row: **3.00**

Width of Bounding Box: **6.00**

Height of Bounding Box: **6.00**

Symbol Colours: **PLRTE**

Comments: **Line weight 0.9 mm; circle diameter 6.0 mm**

Examples on ENC: **N/A**

References: **IEC 62288 Ed.1**

Non-standard object	<b>INT 1</b>	
waypnt	<b>IEC 61174 Annex E Section 16</b>	

Symbol Name: SY(WAYPNT04) RN: 432

Symbol Explanation: waypoint on alternate planned route

Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 3.00

Pivot Point Row: 3.00

Width of Bounding Box: 6.00

Height of Bounding Box: 6.00

Symbol Colours: APLRT

Comments: Line weight 0.3 mm; circle diameter 6.0 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

Non-standard object	INT 1	
waypnt	IEC 61174 Annex E Section 16	



Symbol Name:	SY(WAYPNT11)	RN: 433
--------------	--------------	---------

Symbol Explanation: next waypoint on planned route

Look up table affected: N/A

Pivot Point Column: 3.00

Pivot Point Row: 3.00

Width of Bounding Box: 6.00

Height of Bounding Box: 6.00

Symbol Colours: PLRTE

Comments: Line weight 0.6 mm; inner circle diameter 3.96 mm

Outer circle diameter 6.00 mm

Examples on ENC: N/A

References:

S57	INT 1
-----	-------

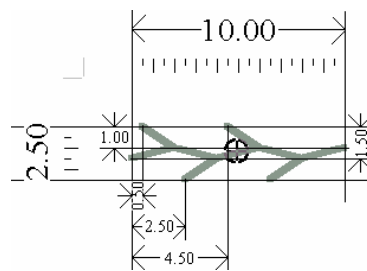
Symbol Name:	SY(WEDKLP03)	RN: 434
--------------	--------------	---------

Symbol Explanation: weed, kelp

Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 5.00  
Pivot Point Row: 1.25

Width of Bounding Box: 10.00  
Height of Bounding Box: 2.50




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1	
WEDKLP	J 13.1, 13.2	(J 13.2) 

Symbol Name:

SY(WIMCON01)

RN: 435

Symbol Explanation: wind motor

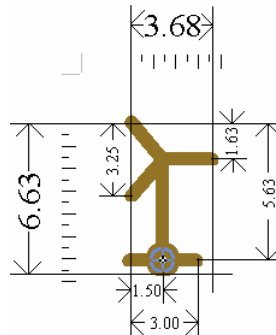
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

Pivot Point Row: 6.13

Width of Bounding Box: 3.68

Height of Bounding Box: 6.63



Symbol Colours:



LANDF


Comments:

Line weight 0.60.3 mm; circle diameter 1.0 mm.

Examples on ENC:

N/A

References:

S57	INT 1	
LNDMRK	E 26	
PRDARE	Not specified	

Symbol Name:

SY(WIMCON11)

RN: 436

Symbol Explanation: conspicuous wind motor

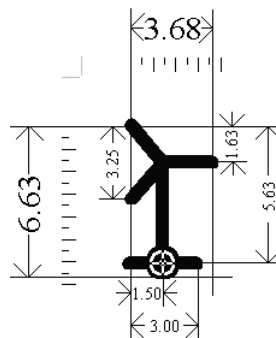
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

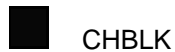
Pivot Point Row: 6.13

Width of Bounding Box: 3.68

Height of Bounding Box: 6.63



Symbol Colours:




Comments:

Line weight 0.6 mm; circle diameter 1.0 mm.

Examples on ENC:

N/A

References:

S57	INT 1	
LNDMRK	E 2, 26	
PRDARE	Not specified	

Symbol Name:

SY(WNDFRM51)

RN: 437

Symbol Explanation: wind generator farm

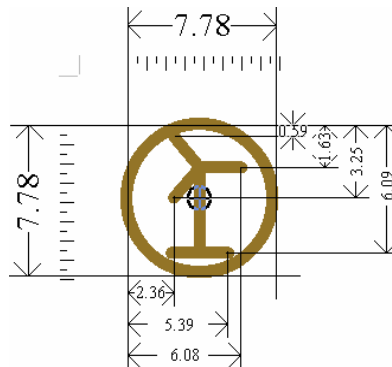
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.89

Pivot Point Row: 3.90

Width of Bounding Box: 7.78

Height of Bounding Box: 7.78



Symbol Colours:



LANDF

Comments:

Line weight ~~0.6~~0.3 mm.

Examples on ENC:

N/A

References:

S57	INT 1
PRDARE	Not specified

Symbol Name:

SY(WNDFRM61)

RN: 438

Symbol Explanation: conspicuous wind generator farm

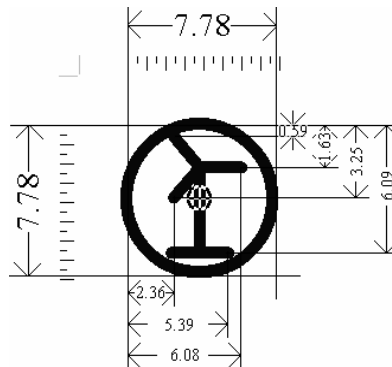
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 3.87

Pivot Point Row: 4.00

Width of Bounding Box: 7.78

Height of Bounding Box: 7.78



Symbol Colours:



CHBLK

Comments:

Line weight 0.6 mm; circle diameter 7.78 mm

Examples on ENC:

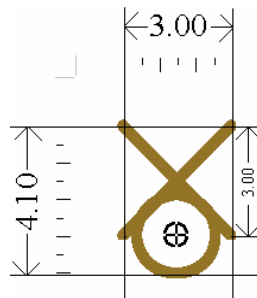
N/A

References:

S57	INT 1
PRDARE	Not specified

Symbol Name:	SY(WNDMIL02)	RN: 439
--------------	--------------	---------

Symbol Explanation: windmill  
 Look up table affected: paper chart point symbols  
 Pivot Point Column: 1.50  
 Pivot Point Row: 3.00  
 Width of Bounding Box: 3.00  
 Height of Bounding Box: 4.10



Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; circle diameter 2.2 mm.

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 25.1, 25.2	(E 25.1)
		✕

Symbol Name:

SY(WNDMIL12)

RN: 440

Symbol Explanation: conspicuous windmill

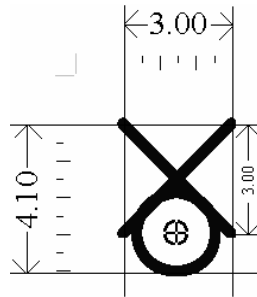
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

Pivot Point Row: 3.00

Width of Bounding Box: 3.00

Height of Bounding Box: 4.10



Symbol Colours:



CHBLK

Comments:

Line weight ~~0.30~~0.6 mm; circle diameter 2.20 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LNDMRK	E 2, 25.1, 25.2	(E 25.1)



Symbol Name:	<b>SY(WRECKS01)</b>	RN: 441
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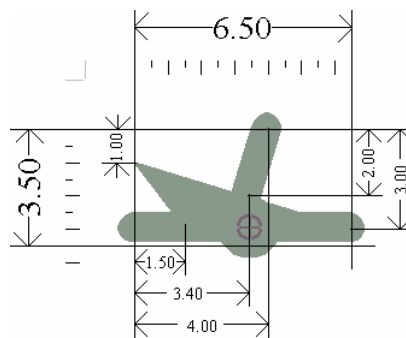
Symbol Explanation: wreck showing any portion of hull or superstructure at level of chart datum

Look up table affected: N/A

Called by CSP etc.: CSP WRECKS03 Continuation A

Pivot Point Column: 3.50  
Pivot Point Row: 3.00

Width of Bounding Box: 6.50  
Height of Bounding Box: 3.50



Symbol Colours:  CHGRD

Comments: Line weight 0.9 mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

<b>S57</b>		<b>INT 1</b>
WRECKS	K 20, 21, 24, 25	(K 24)  ✱

Symbol Name:

SY(WRECKS04)

RN: 442

Symbol Explanation: non-dangerous wreck, depth unknown

Look up table affected: N/A

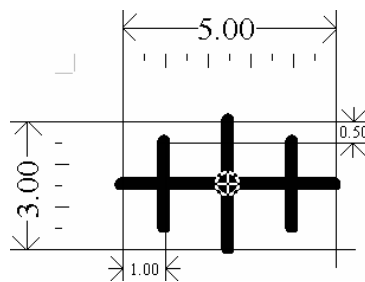
Called by CSP etc.: CSP WRECKS03 Continuation A

Pivot Point Column: 2.50

Pivot Point Row: 1.50

Width of Bounding Box: 5.00

Height of Bounding Box: 3.00



Symbol Colours:



CHBLK

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
WRECKS	K 26, 27, 29, 30	(K 29)
		++

Symbol Name:

SY(WRECKS05)

RN: 443

Symbol Explanation: dangerous wreck, depth unknown

Look up table affected: N/A

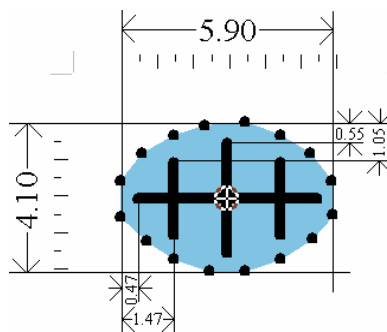
Called by CSP etc.: CSP WRECKS03 Continuation A

Pivot Point Column: 2.97

Pivot Point Row: 2.10

Width of Bounding Box: 5.90

Height of Bounding Box: 4.10




Symbol Colours:



Comments: Line weight 0.3 mm  
Dot diameter 0.3 mm; 16 dots around the ellipse

Examples on ENC: N/A

References:

S57	INT 1	
WRECKS	K 22, 23, 26, 27, 28, 30	(K 28)
		

## 2. Complex Linestyles

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Symbol Name:

LC(ACHARE51)

RN: 469

Symbol Explanation: boundary of an anchorage area

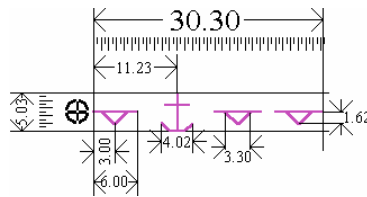
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98

Pivot Point Row: 2.42

Width of Bounding Box: 30.30

Height of Bounding Box: 5.03



Symbol Colours:



CHMGD

Comments:

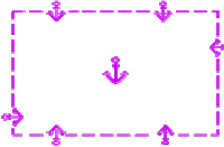
Line weight 0.3 mm;

Anchor symbol dimensions like point symbol SY(ACHARE02)

Examples on ENC:

N/A

References:

S57	INT 1	
ACHARE	N 12.1-9;	(N 12.1) 

Symbol Name:	LC(ACHRES51)	RN: 470
--------------	--------------	---------

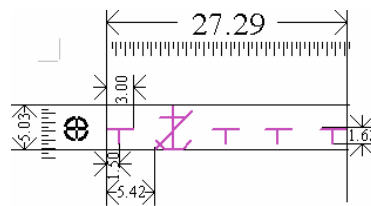
Symbol Explanation: boundary of an area where anchoring is prohibited or restricted

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation B

Pivot Point Column: -3.38  
Pivot Point Row: 2.38

Width of Bounding Box: 27.29  
Height of Bounding Box: 5.03



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm  
Anchor symbol dimensions like point symbol SY(ACHARE51)

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 20	

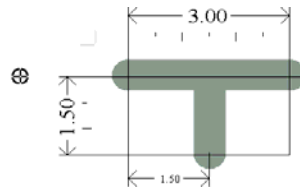
Symbol Name:	LC(ADMARE01)	RN: 471
--------------	--------------	---------

Symbol Explanation: jurisdiction boundary

Look up table affected: area symbols with symbolized boundaries  
used in earlier versions of area symbols with symbolized boundaries

Pivot Point Column: -2.01  
Pivot Point Row: -0.02

Width of Bounding Box: 3.00  
Height of Bounding Box: 1.50



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1
-----	-------



Symbol Name:

LC(ARC SLN01)

RN: 520

Symbol Explanation: boundary of archipelago sea lane

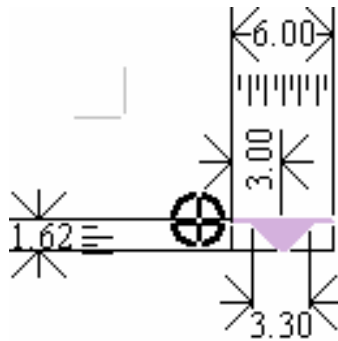
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: -2.00

Pivot Point Row: 0.00

Width of Bounding Box: 6.00

Height of Bounding Box: 1.62



Symbol Colours:



CHMGF

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57 E3.1.1	INT 1	
ARC SLN	M17	

Symbol Name:

LC(CBLARE51)

RN: 472

Symbol Explanation: boundary of a submarine cable area

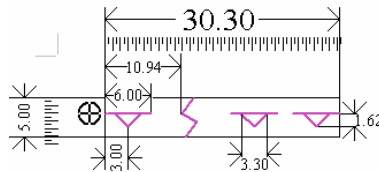
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98

Pivot Point Row: 2.00

Width of Bounding Box: 30.30

Height of Bounding Box: 5.00



Symbol Colours:



CHMGD

Comments:



Line weight 0.3 mm;

Cable symbol dimensions like cable symbol in line symbol LC(CBLSUB06)

Examples on ENC:

N/A

References:

S57	INT 1	
CBLARE	L 30.2, 31.2;	(L 30.2)  (L 31.2) 

Symbol Name:

LC(CBLSUB06)

RN: 473

Symbol Explanation: submarine cable

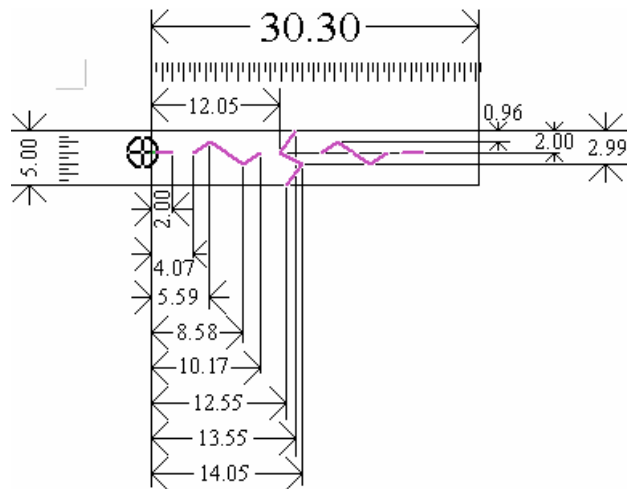
Look up table affected: line symbols

Pivot Point Column: -0.56

Pivot Point Row: 2.00

Width of Bounding Box: 30.30

Height of Bounding Box: 5.00



Symbol Colours:



CHMGD




Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
CBLSUB	L 30.1, 31.1, 32	(L 30.1)  (L 31.1)  (L 32) 

Symbol Name:	LC(CHCRDEL1)	RN: 474
--------------	--------------	---------

Symbol Explanation: this line has been deleted by a manual update

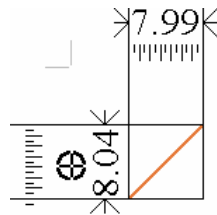
Look up table affected: N/A

Pivot Point Column: -5.43

Pivot Point Row: 3.99

Width of Bounding Box: 7.99

Height of Bounding Box: 8.04



Symbol Colours:  CHCOR

Comments: Line weight 0.3 mm;  
See PresLib section 8.7.1

Examples on ENC: N/A

References:

S57	INT 1
-----	-------

Symbol Name:	LC(CHCRID01)	RN: 475
--------------	--------------	---------

Symbol Explanation: this line has been manually updated

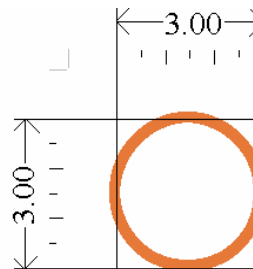
Look up table affected: N/A

Pivot Point Column: -9.41

Pivot Point Row: 1.52

Width of Bounding Box: 3.00

Height of Bounding Box: 3.00



Symbol Colours:  CHCOR

Comments: Line weight 0.3 mm; circle diameter 3.00 mm;  
See PresLib section 8.7.1

Examples on ENC: N/A

References:

S57	INT 1
-----	-------

Symbol Name: LC(CHRVEL2) RN: 595

Symbol Explanation: This object has been deleted by an automatic update

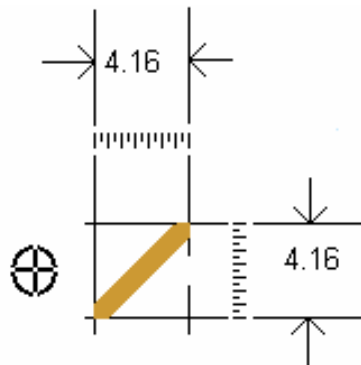
Look up table affected: N/A

Pivot Point Column: -4.90

Pivot Point Row: 2.01

Width of Bounding Box: 6.13

Height of Bounding Box: 4.16



Symbol Colours:  CHCOR

Comments: Line weight 0.9 mm;  
See PresLib section 10.7.2

Examples on ENC: N/A

References:

S57	INT 1
-----	-------

Symbol Name: LC(CHRVID02) RN: 596

Symbol Explanation: This object has been inserted or modified by an automatic update

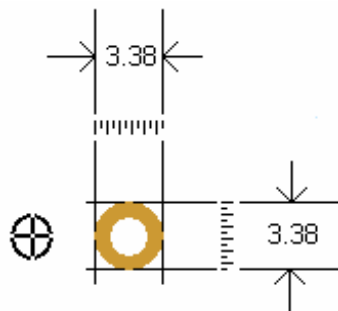
Look up table affected: N/A

Pivot Point Column: -5.11

Pivot Point Row: 1.69

Width of Bounding Box: 6.13

Height of Bounding Box: 3.38



Symbol Colours:  CHCOR

Comments: Line weight 0.9 mm; circle diameter 3.38 mm;  
See PresLib section 10.7.2

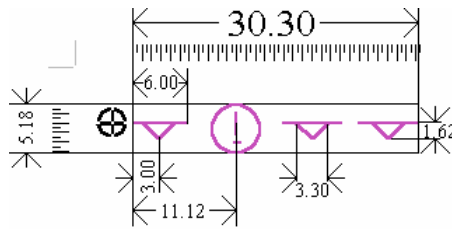
Examples on ENC: N/A

References:

<u>S57</u>	<u>INT 1</u>
------------	--------------

Symbol Name:	LC(CTNARE51)	RN: 476
--------------	--------------	---------

Symbol Explanation:	boundary of area with a specific caution
Look up table affected:	area symbols with symbolized boundaries
Pivot Point Column:	-1.98
Pivot Point Row:	1.86
Width of Bounding Box:	30.30
Height of Bounding Box:	5.18




Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 5.18 mm;  
Caution symbol dimensions like point symbol SY(CTNARE51)

Examples on ENC: N/A

References:

S57	INT 1	
CTNARE	N 1.1, 1.2	(N 1.2)
TSSLPT	not specified	



Symbol Name:

LC(CTYARE51)

RN: 477

Symbol Explanation: boundary of area to be navigated with caution

Look up table affected: area symbols with symbolized boundaries

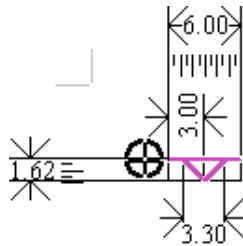
Called by CSP etc.: CSP RESARE03,  
CSP RESARE03 Continuation A, D, E

Pivot Point Column: -2.00

Pivot Point Row: 0.00

Width of Bounding Box: 6.00

Height of Bounding Box: 1.62



Symbol Colours:



CHMGD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
CTSARE	N 64	
DMPGRD	N 23-24, 62.1-2	(N 23.1) 
ICNARE	N 65	
MIPARE	N 30, 32, 33	(N 32) 
OSPARE	L 1, 4	
PILBOP	T 1.1 - 1.4	
RESARE	N 2.1, 2.2, 34, 63	
SPLARE	N 13	
SUBTLN	N 33	
TWRTPT	M 28.2	

Symbol Name:

LC(DWLDEF01)

RN: 478

Symbol Explanation: deep water route centreline, direction not defined in the data

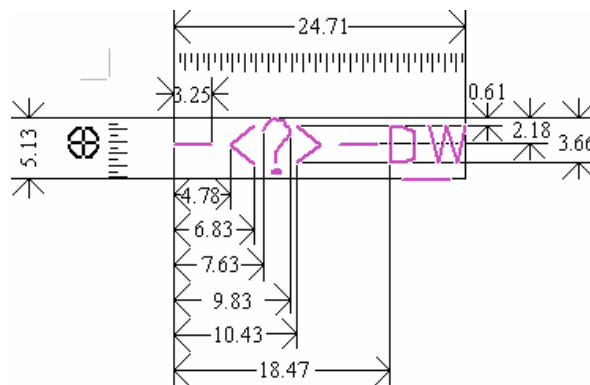
Look up table affected: line symbols

Pivot Point Column: -8.70

Pivot Point Row: 2.18

Width of Bounding Box: 24.71

Height of Bounding Box: 5.13



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm; line weight (question mark dot) 0.6 mm

Examples on ENC:

N/A

References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:

LC(DWRTCL05)

RN: 479

Symbol Explanation: two-way deep water route centreline, not based on fixed marks

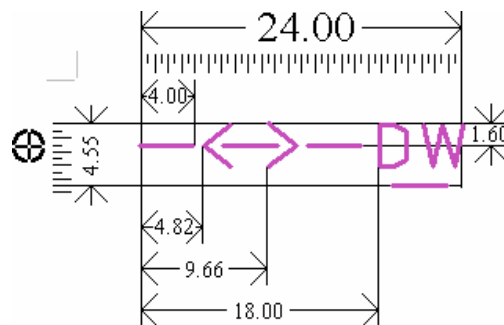
Look up table affected: line symbols

Pivot Point Column: -8.46

Pivot Point Row: 1.60

Width of Bounding Box: 24.00

Height of Bounding Box: 4.55



Symbol Colours:



Comments:

Line weight 0.3 mm;  
 Arrow and deep water symbol dimensions like line symbol LC(DWLDEF01)

Examples on ENC:

N/A

References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:

LC(DWRTCL06)

RN: 480

Symbol Explanation: two-way deep water route centreline, based on fixed marks

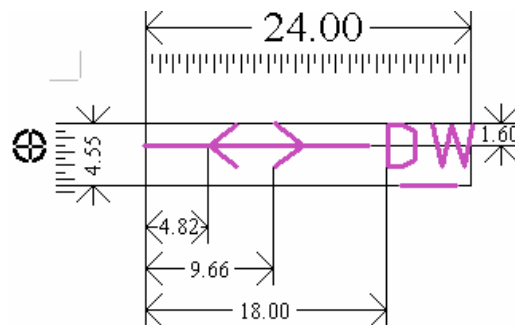
Look up table affected: line symbols

Pivot Point Column: -8.46

Pivot Point Row: 1.60

Width of Bounding Box: 24.00

Height of Bounding Box: 4.55



Symbol Colours:



Comments:

Line weight 0.3 mm;  
Arrow and deep water symbol dimensions like line symbol LC(DWLDEF01)

Examples on ENC:

N/A

References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:

LC(DWRTCL07)

RN: 481

Symbol Explanation: one-way deep water route centreline, not based on fixed marks

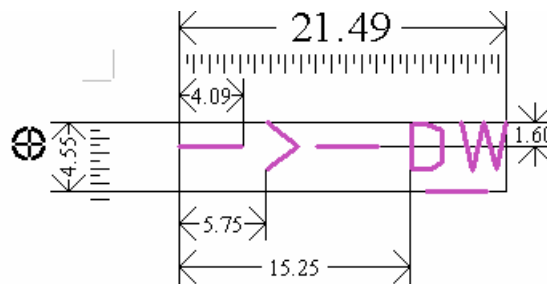
Look up table affected: line symbols

Pivot Point Column: -9.85

Pivot Point Row: 1.60

Width of Bounding Box: 21.49

Height of Bounding Box: 4.55



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm;

Arrow and deep water symbol dimensions like line symbol LC(DWLDEF01)

Examples on ENC:

N/A

References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:	LC(DWRTCL08)	RN: 482
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Symbol Explanation: one-way deep water route centreline, based on fixed-marks

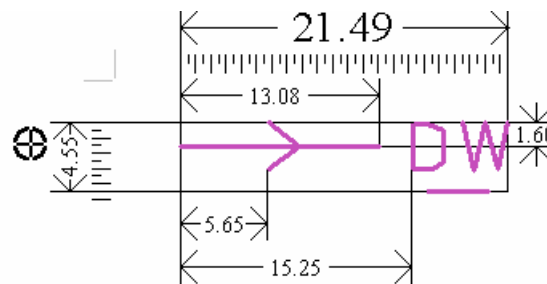
Look up table affected: line symbols

Pivot Point Column: -9.85

Pivot Point Row: 1.60

Width of Bounding Box: 21.49

Height of Bounding Box: 4.55



Symbol Colours:



Comments:

Line weight 0.3 mm;  
Arrow and deep water symbol dimensions like line symbol LC(DWLDEF01)

Examples on ENC:

N/A

References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:

LC(DWRUTE51)

RN: 483

Symbol Explanation: boundary of a deep water route

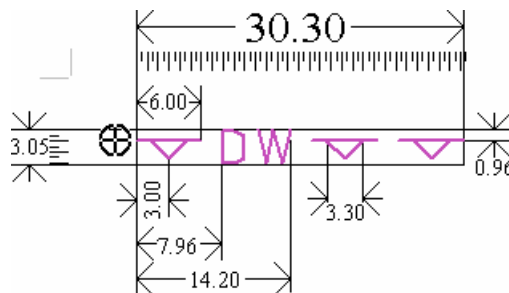
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98

Pivot Point Row: 0.94

Width of Bounding Box: 30.30

Height of Bounding Box: 3.05



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
DWRTPT	M 27.1-2;

Symbol Name:	LC(ENTRES51)	RN: 484
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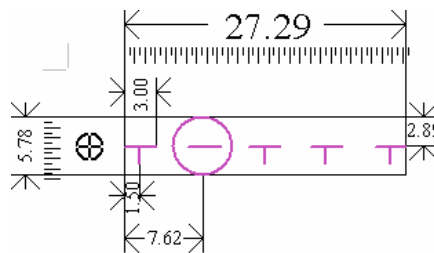
Symbol Explanation: boundary of an area where entry is prohibited or restricted

Look up table affected: N/A

Called by CSP etc.: earlier versions of CSP RESCSP

Pivot Point Column: -3.38  
Pivot Point Row: 2.89

Width of Bounding Box: 27.29  
Height of Bounding Box: 5.78



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm;  
Circle diameter 5.78 mm

Examples on ENC: N/A

References:

S57	INT 1	
RESARE	N 2.1, 2.2	(N 2.1)



Symbol Name:	LC( <b>ERBLNA01</b> )	RN: 485
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Symbol Explanation: electronic range/bearing line, dash

Look up table affected: N/A

Called by CSP etc.: CSP VRMEBL01

Pivot Point Column: -2.15

Pivot Point Row: -0.05

Width of Bounding Box: 22.04

Height of Bounding Box: 0.00

Symbol Colours: NINFO

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
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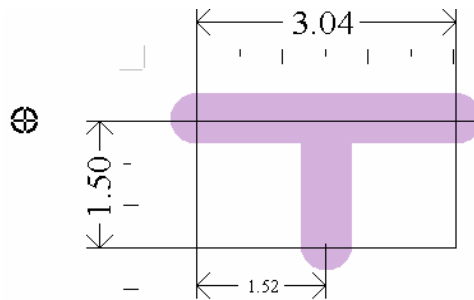
Symbol Name:	LC(ESSARE01)	RN: 586
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Symbol Explanation: boundary of an ESSA or PSSA

Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -2.00  
Pivot Point Row: 0.00

Width of Bounding Box: 3.00  
Height of Bounding Box: 1.50



Symbol Colours:  CHMGF

Comments: Line weight 0.3 mm

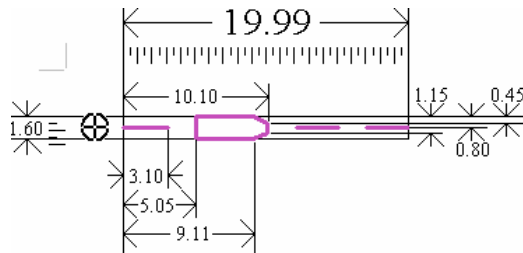
Examples on ENC: N/A

References:

S57 E3.1.1	INT 1	
RESARE, CATREA 27 or 28	N 22	


Symbol Name:	LC(FERYRT01)	RN: 487
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Symbol Explanation: ferry route  
 Look up table affected: line symbols  
 Pivot Point Column: -2.00  
 Pivot Point Row: 0.80  
 Width of Bounding Box: 19.99  
 Height of Bounding Box: 1.60



Symbol Colours:  CHMGD  
 Comments: Line weight 0.3 mm  
 Examples on ENC: N/A

## References:

S57	INT 1
FERYRT	M 50 

Symbol Name:

LC(FERYRT02)

RN: 488

Symbol Explanation: cable ferry route

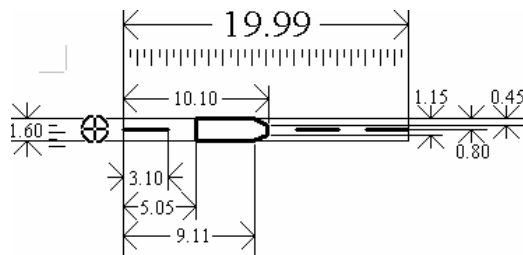
Look up table affected: line symbols

Pivot Point Column: -2.00

Pivot Point Row: 0.80

Width of Bounding Box: 19.99

Height of Bounding Box: 1.60



Symbol Colours:



CHBLK

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
FERVRT	M 51	

Symbol Name:	LC(FSHFAC02)	RN: 489
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Symbol Explanation: fishing stakes

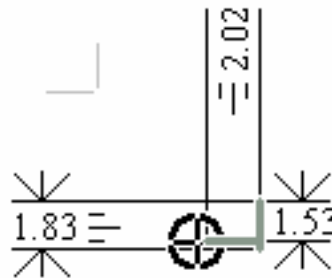
Look up table affected: line symbols

Pivot Point Column: -0.35

Pivot Point Row: 1.51

Width of Bounding Box: 2.02

Height of Bounding Box: 1.83




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FSHFAC	K 44.1	

Symbol Name:	LC(FSHRES51)	RN: 490
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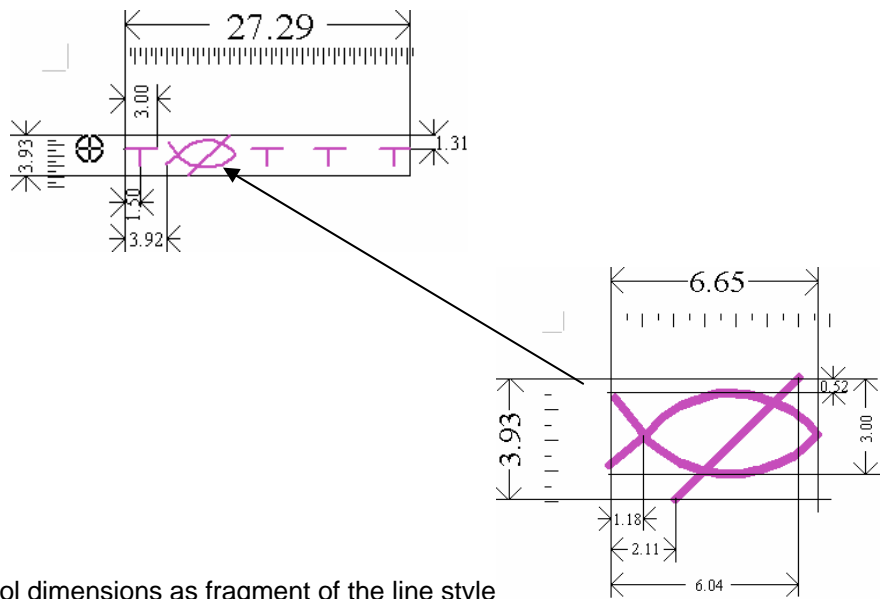
Symbol Explanation: boundary of an area where trawling or fishing is prohibited or restricted

Look up table affected: N/A

Called by CSP etc.: CSP RESARE03 Continuation C

Pivot Point Column: -3.38  
Pivot Point Row: 1.31

Width of Bounding Box: 27.29  
Height of Bounding Box: 3.93



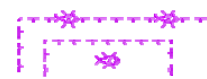
Fishing prohibited symbol dimensions as fragment of the line style

Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RESARE	N 21 

Symbol Name:	<u>LC(INDHLT02)</u>	<u>RN: 597</u>
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Symbol Explanation: indication highlight for mariner's use

Look up table affected: line symbols

Pivot Point Column: 2.63

Pivot Point Row: 5.98

Width of Bounding Box: 1.21

Height of Bounding Box: 1.98



Symbol Colours:  BKAJ1

 CHYLW

Comments: Line weight 0.6 mm (CHYLW); with 0.3 mm outline (BKAJ1)  
See PresLib section 10.5.9 and 10.5.10

Examples on ENC: N/A

References:

<u>S57</u>	<u>INT 1</u>
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Symbol Name:	LC(LOWACC01)	RN: 492
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Symbol Explanation: safety contour of low accuracy in position

Look up table affected: N/A

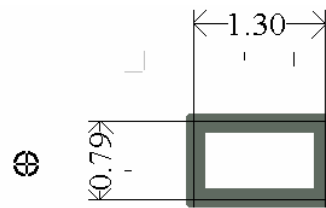
Called by CSP etc.: earlier versions of CSP DEPCNT

Pivot Point Column: -1.71

Pivot Point Row: 0.43

Width of Bounding Box: 1.30

Height of Bounding Box: 0.79



Symbol Colours:  DEPSC

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
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Symbol Name:	LC( <b>LOWACC11</b> )	RN: 493
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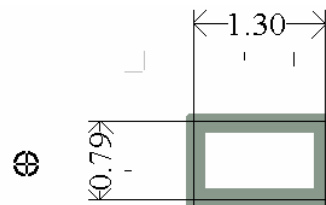
Symbol Explanation: contour of low accuracy in position

Look up table affected: N/A

Called by CSP etc.: earlier versions of CSP DEPCNT

Pivot Point Column: -1.71  
Pivot Point Row: 0.43

Width of Bounding Box: 1.30  
Height of Bounding Box: 0.79



Symbol Colours:  DEPCN

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1
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Symbol Name:

LC(L**OWACC21**)

RN: 494

Symbol Explanation: coastline or shoreline construction of low accuracy in position

Look up table affected: N/A

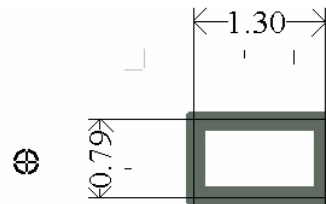
Called by CSP etc.: CSP QUALIN01,  
CSP SLCONS03,  
CSP SLCONS03 Continuation A

Pivot Point Column: -1.71

Pivot Point Row: 0.43

Width of Bounding Box: 1.30

Height of Bounding Box: 0.79



Symbol Colours:





CSTLN

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SLCONS	F 30,31; O 89	(F 31) 
COALNE	C 2, 32, 33; O 89	(C 2) 

Symbol Name:	LC( <b>LOWACC31</b> )	RN: 495
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Symbol Explanation: area of wrecks or obstructions of low accuracy

Look up table affected: N/A

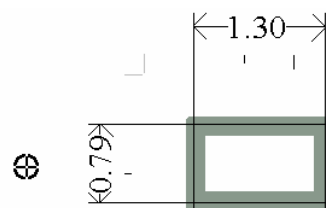
Called by CSP etc.: CSP OBSTRN05 Continuation B

Pivot Point Column: -1.71

Pivot Point Row: 0.43

Width of Bounding Box: 1.30

Height of Bounding Box: 0.79



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57		INT 1
OBSTRN	Not specified	

Symbol Name:	LC( <b>LOWACC41</b> )	RN: 496
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Symbol Explanation: danger line of low accuracy surrounding a foul area

Look up table affected: N/A

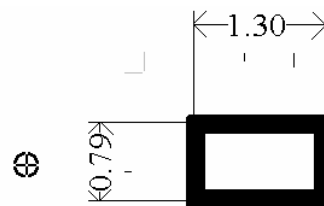
Called by CSP etc.: CSP OBSTRN05 Continuation B,  
CSP WRECKS03 Continuation B

Pivot Point Column: -1.71

Pivot Point Row: 0.43

Width of Bounding Box: 1.30

Height of Bounding Box: 0.79



Symbol Colours:  CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
OBSTRN	I 3.1, 3.2; O 89
WRECKS	I 3.1, 3.2; O 89

Symbol Name:

LC(MARSYS51)

RN: 497

Symbol Explanation: boundary between IALA-A and IALA-B systems of lateral buoys and beacons

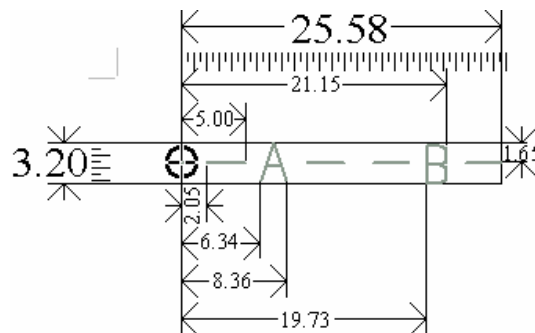
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 0.03

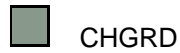
Pivot Point Row: 1.62

Width of Bounding Box: 25.58

Height of Bounding Box: 3.20



Symbol Colours:



CHGRD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
M_NSYS	Q 130.1

Symbol Name:	LC(NAVARE51)	RN: 498
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Symbol Explanation: boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

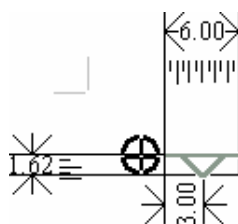
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -2.00

Pivot Point Row: 0.00

Width of Bounding Box: 6.00

Height of Bounding Box: 1.62



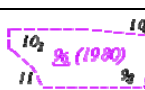


Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
FAIRWY	not specified;	
FERYRT	M 50, 51;	
FSHFAC	K 44.1-2, 45;	
HRBARE	N 49;	
LOCMAG	B 82.1-2;	(B 82.1) 
MARCUL	K 47, 48.1 - 2;	
M_NSYS	Q 130-130.6;	
OBSTRN	K 1, 31, 40-43, 46.1-2; L 21, 23; Q 42;	
RECTRC	M 1, 3-4, 5.1, 5.2, 6;	
SNDWAV	J 14;	
SWPARE	I 24;	
WRECKS	K 20-30;	

Symbol Name:

LC(NEWOBJ01)  
584588

RN:

Symbol Explanation: new object

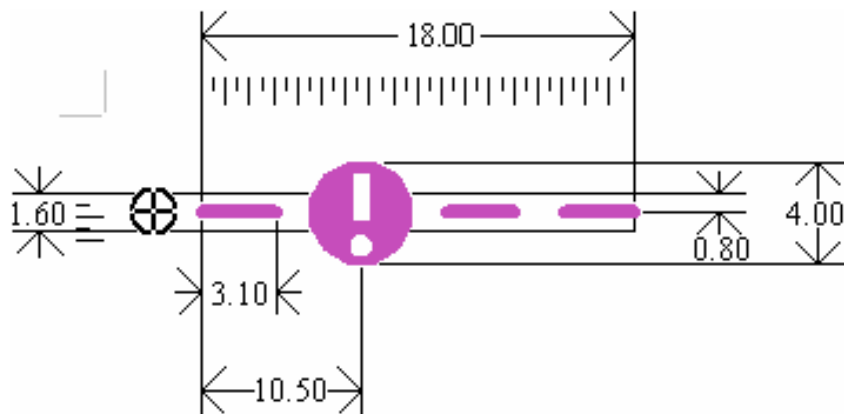
Look up table affected: line symbols

Pivot Point Column: -2.00

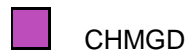
Pivot Point Row: 0.00

Width of Bounding Box: 20.00

Height of Bounding Box: 1.60



Symbol Colours:



CHMGD

Comments:

Line weight 0.6 mm

Examples on ENC:

N/A

References:

S57 E3.1.1		INT 1
NEWOBJ	N/A	

Symbol Name:

LC(NONHODAT)

RN: 491

Symbol Explanation: boundary of non-HO data

Look up table affected: N/A

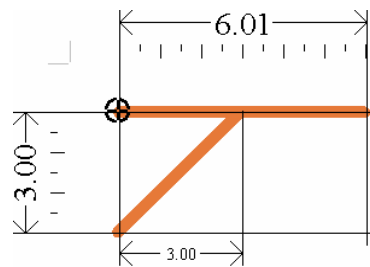
Called by CSP etc.: CSP DATCVR02

Pivot Point Column: -0.01

Pivot Point Row: -0.01

Width of Bounding Box: 6.01

Height of Bounding Box: 3.00



Symbol Colours:



Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
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Symbol Name:	LC(PIPARE51)	RN: 499
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Symbol Explanation: boundary of a submarine pipeline area with potentially dangerous contents

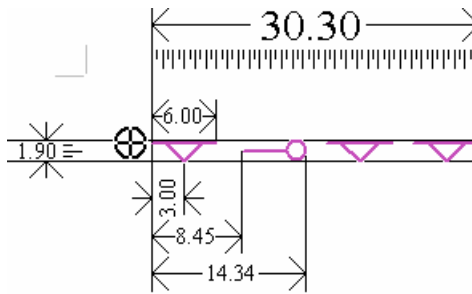
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98

Pivot Point Row: 0.27

Width of Bounding Box: 30.30

Height of Bounding Box: 1.90



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 1.9 mm

Examples on ENC: N/A

References:

S57	INT 1	
PIPARE	L 40.2, 41.2	(L 40.2) 

Symbol Name:	LC(PIPARE61)	RN: 500
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Symbol Explanation: boundary of a submarine pipeline area with generally non-dangerous contents

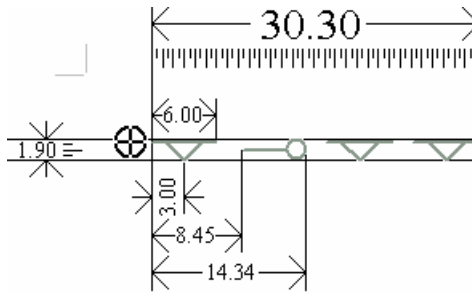
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98

Pivot Point Row: 0.27

Width of Bounding Box: 30.30

Height of Bounding Box: 1.90



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm; circle diameter 1.9 mm

Examples on ENC: N/A

References:

S57	INT 1
PIPARE	L 40.2, 41.2; (L 41.2)

Symbol Name:	LC(PIPSOL05)	RN: 501
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Symbol Explanation: oil, gas pipeline, submerged or on land

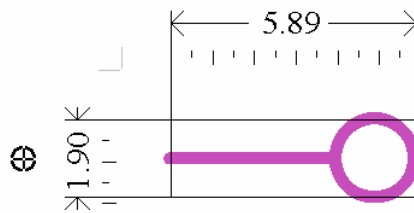
Look up table affected: line symbols

Pivot Point Column: -3.58

Pivot Point Row: 0.95

Width of Bounding Box: 5.89

Height of Bounding Box: 1.90



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm; circle diameter 1.9 mm

Examples on ENC: N/A

References:

S57	INT 1
PIPSOL	D 29; L 42, 44 

Symbol Name:

LC(PIPSOL06)

RN: 502

Symbol Explanation: water pipeline, sewer, etc.

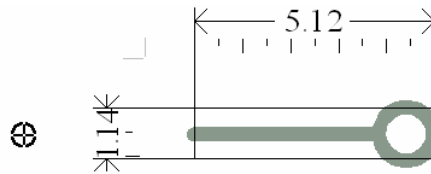
Look up table affected: line symbols

Pivot Point Column: -3.56

Pivot Point Row: 0.57

Width of Bounding Box: 5.12

Height of Bounding Box: 1.14



Symbol Colours:



CHGRD

Comments:

Line weight 0.6 mm; circle diameter 1.14 mm

Examples on ENC:

N/A

References:

S57	INT 1	
PIPSOL	L 41.1	

Symbol Name:	LC( <b>PLNRTE04</b> )	RN: 503
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Symbol Explanation: planned route for own ship

Look up table affected: N/A

Called by CSP etc.: CSP LEGLIN03

Pivot Point Column: 0.90

Pivot Point Row: 0.50

Width of Bounding Box: 1.00

Height of Bounding Box: 1.00

Symbol Colours: PLRTE

Comments: Point diameter 1.00 mm

Examples on ENC: N/A

References: IEC 62288 Ed.1

S57	INT 1
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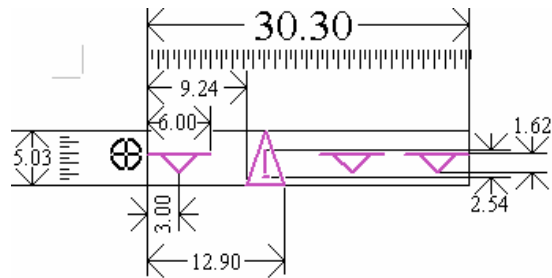
Symbol Name:	LC( <b>PRCARE51</b> )	RN: 504
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Symbol Explanation: boundary of a precautionary area

Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98  
Pivot Point Row: 2.17

Width of Bounding Box: 30.30  
Height of Bounding Box: 5.03



Symbol Colours:  CHMGD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1
PRCARE	M 16, 24;

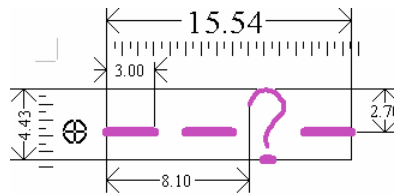
Symbol Name:	LC(QUESMRK1)	RN: 505
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Symbol Explanation: object which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library

Look up table affected: line symbols  
area symbols with symbolized boundaries

Pivot Point Column: -2.01  
Pivot Point Row: 2.70

Width of Bounding Box: 15.54  
Height of Bounding Box: 4.43



Symbol Colours:  CHMGD

Comments: Line weight 0.6 mm;  
Question mark symbol dimensions like symbol SY(QUESMRK1)

Examples on ENC: N/A

References:

S57	INT 1
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Symbol Name:	LC(RCRDEF11)	RN: 506
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Symbol Explanation: regulated recommended route centreline, details not defined

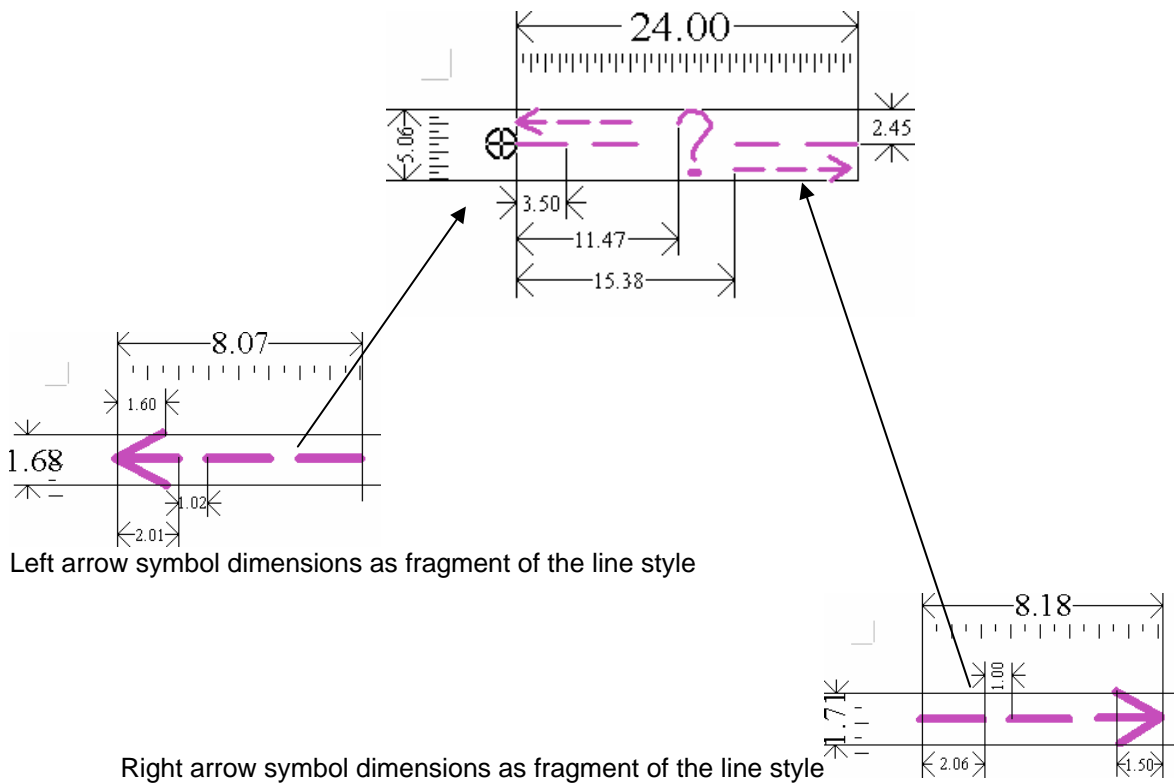
Look up table affected: line symbols

Pivot Point Column: -1.00

Pivot Point Row: 2.45

Width of Bounding Box: 24.00

Height of Bounding Box: 5.06



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm  
Question mark symbol dimensions like symbol SY(QUESMRK1)

Examples on ENC: N/A

References:

S57	INT 1
RCRTCL	M 28.1



Symbol Name:

LC(RCRTC11)

RN: 507

Symbol Explanation: regulated two-way recommended route centreline, not based on fixed marks

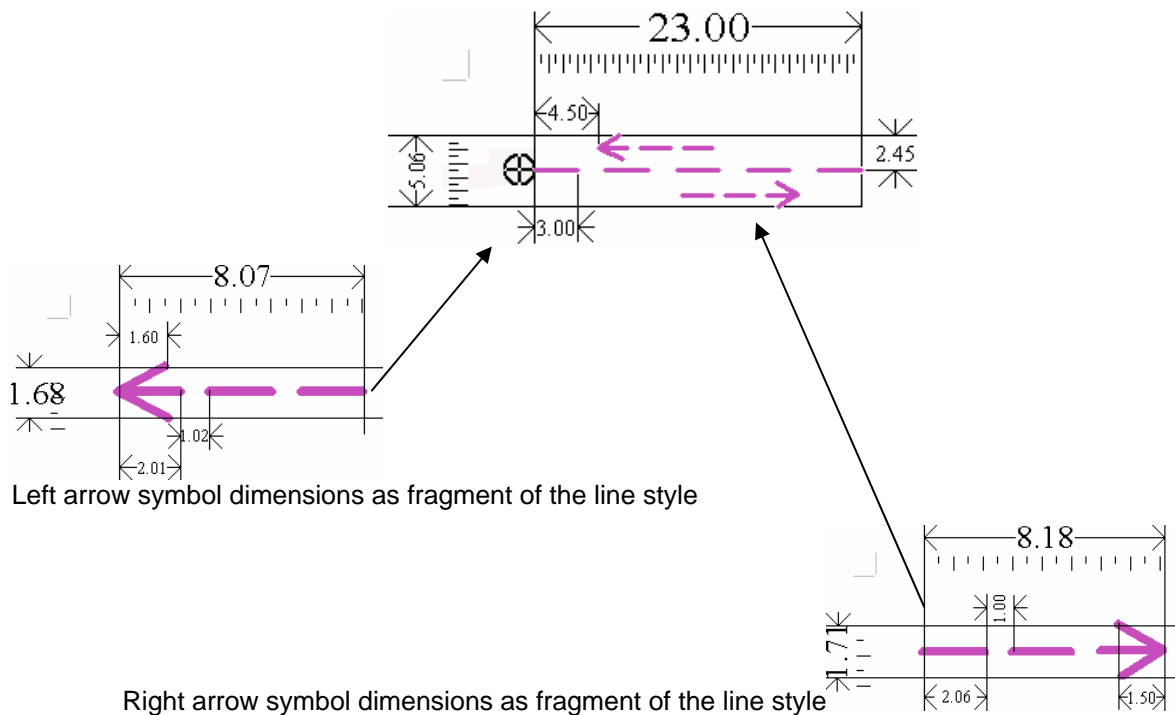
Look up table affected: line symbols

Pivot Point Column: -1.00

Pivot Point Row: 2.45

Width of Bounding Box: 23.00

Height of Bounding Box: 5.06



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
RCRTC1	M 28.1

Symbol Name:

LC(RCRTCL12)

RN: 508

Symbol Explanation: regulated one-way recommended route centreline, not based on fixed marks

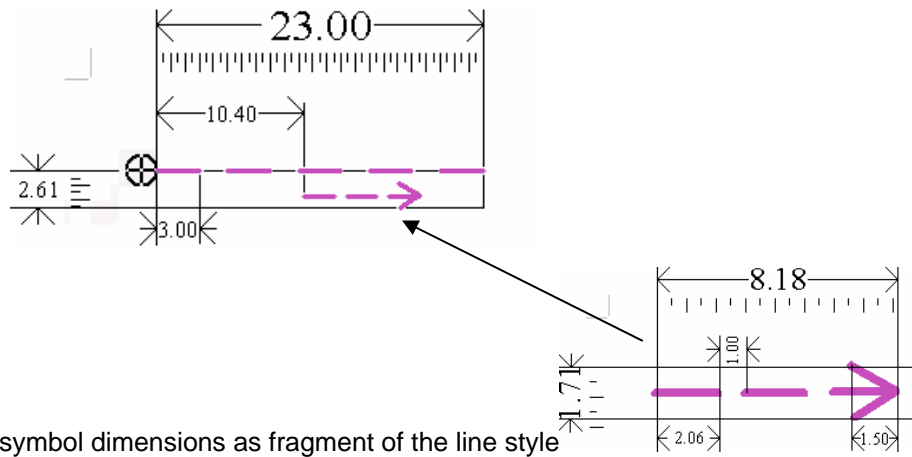
Look up table affected: line symbols

Pivot Point Column: -1.00

Pivot Point Row: 0.00

Width of Bounding Box: 23.00

Height of Bounding Box: 2.61



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
RCRTCL	M 28.1

Symbol Name:	LC(RCRTCL13)	RN: 509
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Symbol Explanation: regulated two-way recommended route centreline, based on fixed-marks

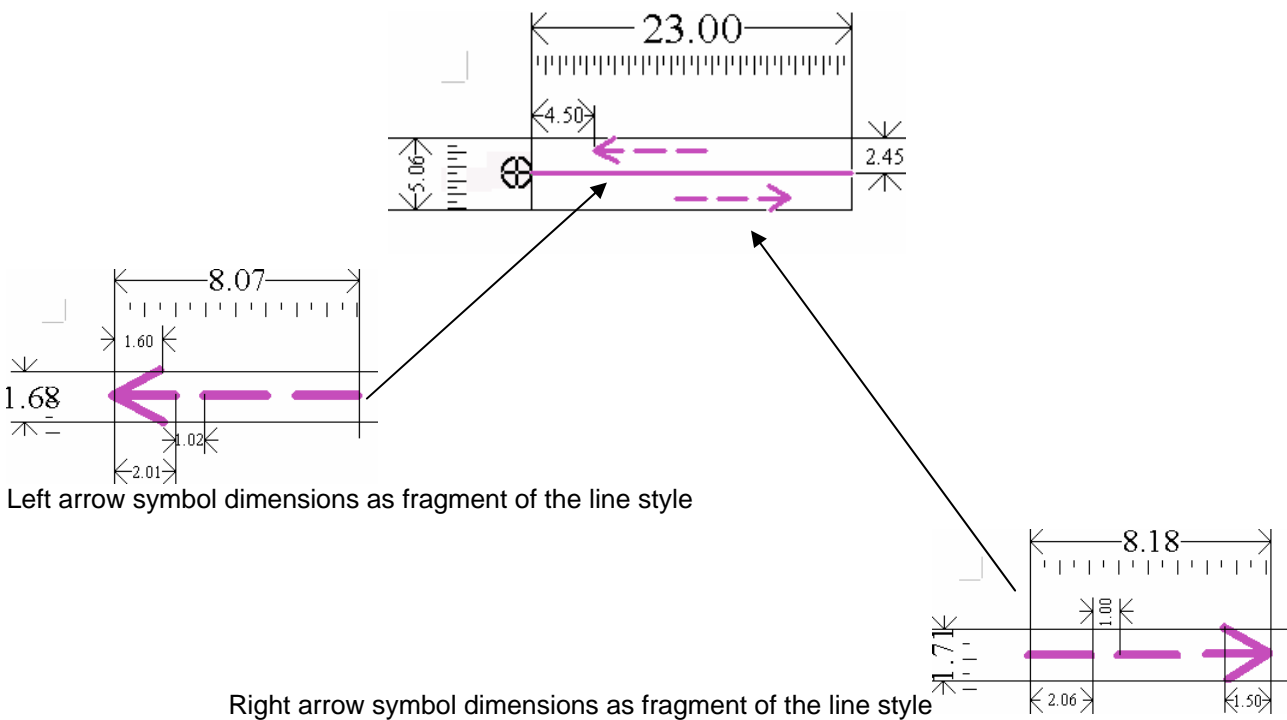
Look up table affected: line symbols

Pivot Point Column: -0.50

Pivot Point Row: 2.45

Width of Bounding Box: 23.00

Height of Bounding Box: 5.06



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RCRTCL	M 28.1

Symbol Name:	LC(RCRTCL14)	RN: 510
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Symbol Explanation: regulated one-way recommended route centreline, based on fixed marks

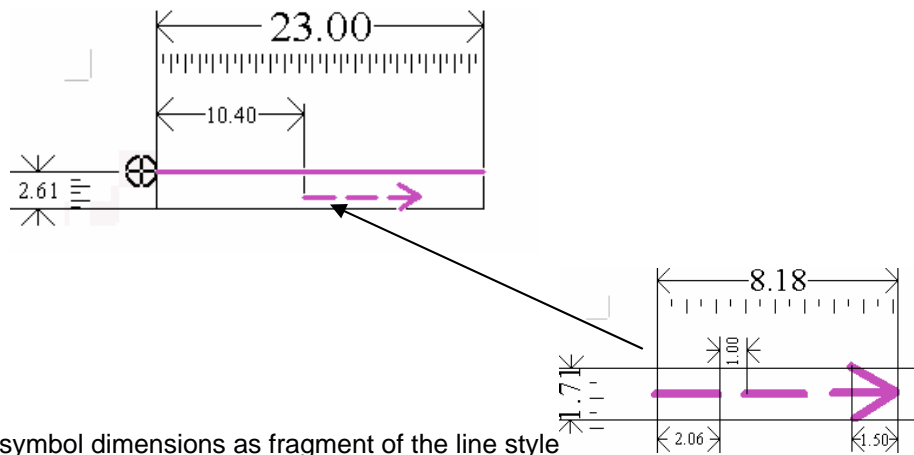
Look up table affected: line symbols

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 23.00

Height of Bounding Box: 2.61



Right arrow symbol dimensions as fragment of the line style

Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
RCRTCL	M 28.1

Symbol Name:

LC(RECDEF02)

RN: 511

Symbol Explanation: non-regulated recommended track, direction not defined in data

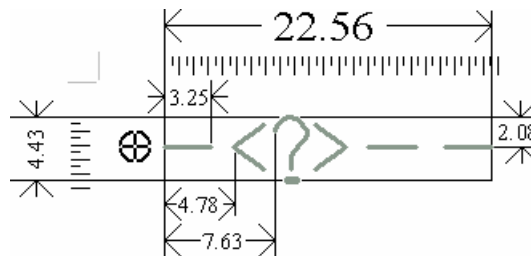
Look up table affected: line symbols

Pivot Point Column: -1.96

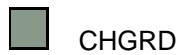
Pivot Point Row: 2.08

Width of Bounding Box: 22.56

Height of Bounding Box: 4.43



Symbol Colours:



CHGRD

Comments:

Line weight 0.3 mm

Arrow symbol dimensions like used in line symbol LC(DWLDEF01)

Question mark symbol dimensions like symbol SY(QUESMRK1)

Examples on ENC:

N/A

References:

S57	INT 1
RECTRC M 1, 3-6, 32.2; P 20.1, 20.2, 30.2	(M 5.2) 

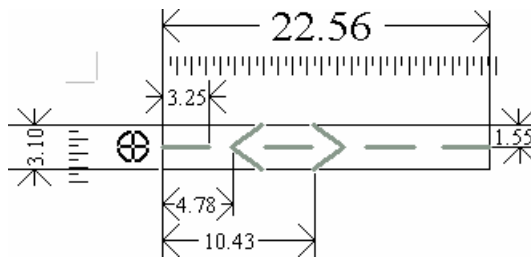
Symbol Name:	LC(RECTRC09)	RN: 512
--------------	--------------	---------

Symbol Explanation: non-regulated recommended two-way track, not based on fixed marks

Look up table affected: line symbols

Pivot Point Column: -1.96  
 Pivot Point Row: 1.55

Width of Bounding Box: 22.56  
 Height of Bounding Box: 3.10



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm;  
 Arrow symbol dimensions like used in line symbol LC(DWLDEF01)

Examples on ENC: N/A

References:

S57		INT 1
RECTRC	M 1, 3-6, 32.2; P 20.1, 20.2, 30.2	(M 4) 

Symbol Name:

LC(**RECTRC10**)

RN: 153

Symbol Explanation: non-regulated recommended two-way track, based on fixed-marks

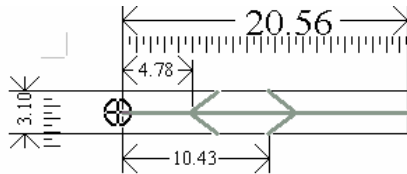
Look up table affected: line symbols

Pivot Point Column: -0.30

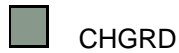
Pivot Point Row: 1.55

Width of Bounding Box: 20.56

Height of Bounding Box: 3.10



Symbol Colours:



CHGRD

Comments:

Line weight 0.3 mm

Arrow symbol dimensions like used in line symbol LC(DWLDEF01)

Examples on ENC:

N/A

References:

S57		INT 1
RECTRC	M 1, 3-6, 32.2; P 20.1, 20.2, 30.2	(M 3)  <u>2 Bases <math>\neq</math> 000,5°-270,5°</u>

Symbol Name:

LC(RECTRC11)

RN: 514

Symbol Explanation: non-regulated recommended one-way track, not based on fixed marks

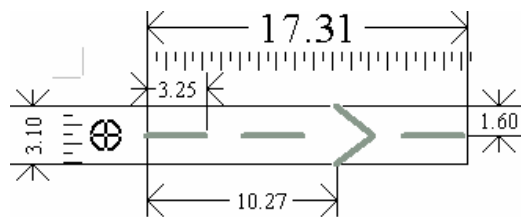
Look up table affected: line symbols

Pivot Point Column: -1.96

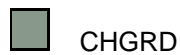
Pivot Point Row: 1.60

Width of Bounding Box: 17.31

Height of Bounding Box: 3.10



Symbol Colours:



Comments:

Line weight 0.3 mm;  
 Arrow symbol dimensions like used in line symbol LC(DWLDEF01)

Examples on ENC:

N/A

References:

S57		INT 1
RECTRC	M 1, 3-6, 32.2; P 20.1, 20.2, 30.2	(M 5.1) 



Symbol Name:	LC(RECTRC12)	RN: 515
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Symbol Explanation: non-regulated recommended one-way track, based on fixed marks

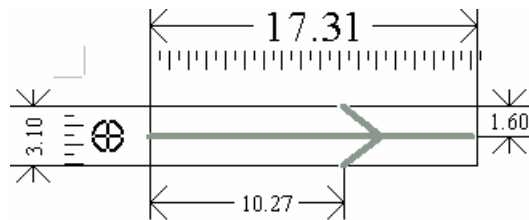
Look up table affected: line symbols

Pivot Point Column: -0.34

Pivot Point Row: 1.60

Width of Bounding Box: 17.31

Height of Bounding Box: 3.10



Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm;  
Arrow symbol dimensions like used in line symbol LC(DWLDEF01)

Examples on ENC: N/A

References:

S57	INT 1
RECTRC	M 1, 3-6, 32.2; P 20.1, 20.2, 30.2
	(M 5.1) 

Symbol Name:

LC(**RESARE51**)

RN: 516

Symbol Explanation: boundary of a restricted area

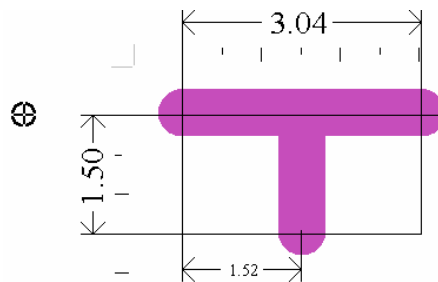
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -2.01

Pivot Point Row: -0.02

Width of Bounding Box: 3.04

Height of Bounding Box: 1.50



Symbol Colours:



CHMGD


Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
ISTZNE	M 14, 25.1, 25.2	(M 14) 

Symbol Name:

LC(**SCLBDY51**)

RN: 517

Symbol Explanation: chart scale boundary, the double line indicates the larger scale

Look up table affected: N/A

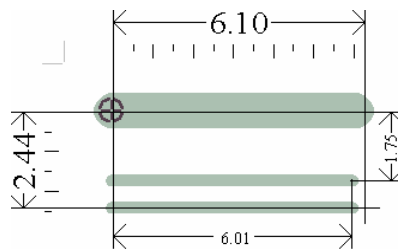
Called by CSP etc.: CSP DATCVR02

Pivot Point Column: -0.01

Pivot Point Row: 0.01

Width of Bounding Box: 6.10

Height of Bounding Box: 2.44



Symbol Colours:



CHGRF

Comments: Line weights 0.9 and 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
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Symbol Name:

LC(TIDINF51)

RN: 518

Symbol Explanation: boundary of an area for which there is tidal information

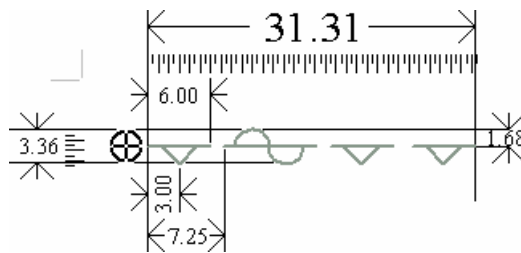
Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98

Pivot Point Row: 0.00

Width of Bounding Box: 31.31

Height of Bounding Box: 0.00



Symbol Colours:



CHGRD

Comments:

Line weight 0.3 mm; semicircle diameter 3.36 mm

Tidal information symbol dimensions like symbol SY(TIDEHT01)

Examples on ENC:

N/A

References:

S57	INT 1	
TS_FEB	H 40-41	
TS_PAD	H 31	
TS_PNH	Not specified	
TS_PRH	Not specified	
TS_TIS	Not specified	
T_HMON	Not specified	
T_NHMN	Not specified	
T_TIMS	Not specified	

### 3. Area Pattern

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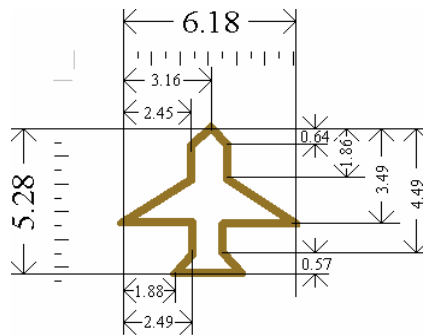
Symbol Name:	AP(AIRARE02)	RN: 444
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Symbol Explanation: pattern of symbols for an airport area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 18.24  
Pivot Point Row: 18.04

Width of Bounding Box: 6.18  
Height of Bounding Box: 5.28



Symbol Colours:  LANDF

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 20.00  
Maximum Distance: 20.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
AIRARE	D 17	

Symbol Name:	AP(DIAMOND1)	RN: 445
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Symbol Explanation: area of depth less than the safety contour

Look up table affected: N/A

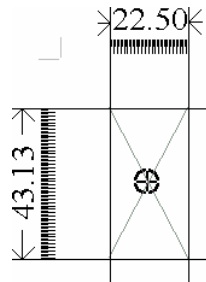
Called by CSP etc.: CSP SEABED01

Pivot Point Column: 11.25

Pivot Point Row: 21.57

Width of Bounding Box: 22.50

Height of Bounding Box: 43.13



Symbol Colours:  DEPCN

Pattern Type: Linear

Pattern Spacing: Constant

Minimum Distance: 0.00

Maximum Distance: 0.00

Comments: Line weight 0.3 mm;  
See PresLib section 8.5.7

Examples on ENC: N/A

References:

S57	INT 1
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Symbol Name:

AP(DQUALA11)

RN: 446

Symbol Explanation: pattern of symbols for a chart of 5m accuracy with full seafloor coverage

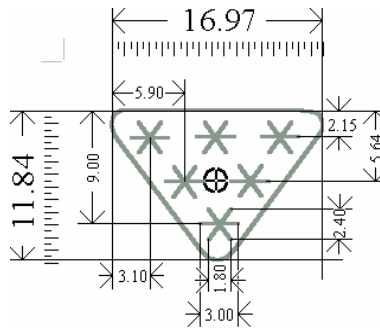
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.53

Pivot Point Row: 5.61

Width of Bounding Box: 16.97

Height of Bounding Box: 11.84



Symbol Colours:



CHGRD

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 14.00

Maximum Distance: 14.00

Comments: Line weight 0.3 mm; corner radii 1.2 mm

Examples on ENC: N/A

References:

S57	INT 1
M_QUAL	Not specified

Symbol Name:

AP(DQUALA21)

RN: 447

Symbol Explanation: pattern of symbols for a chart with 20m accuracy with full seafloor coverage

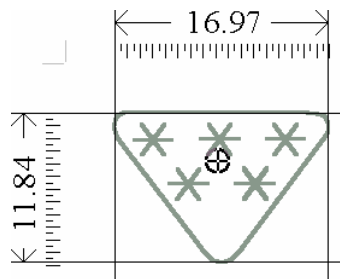
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.31

Pivot Point Row: 3.91

Width of Bounding Box: 16.97

Height of Bounding Box: 11.84



Symbol Colours:



CHGRD

Pattern Type: Staggered

Pattern Spacing: Constant

Minimum Distance: 14.00

Maximum Distance: 14.00

Comments: Line weight 0.3 mm; corner radii 1.2 mm  
Further symbol dimensions like AP(DQUALA11)

Examples on ENC: N/A

References:

S57	INT 1
M_QUAL	Not specified

Symbol Name:

AP(DQUALB01)

RN: 448

Symbol Explanation: pattern of symbols for a chart with 50m accuracy from standard survey based on lines of continuous soundings

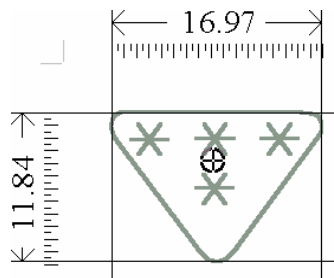
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.31

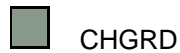
Pivot Point Row: 3.91

Width of Bounding Box: 16.97

Height of Bounding Box: 11.84



Symbol Colours:



CHGRD

Pattern Type: Staggered

Pattern Spacing: Constant

Minimum Distance: 14.00

Maximum Distance: 14.00

Comments: Line weight 0.3 mm; corner radii 1.2 mm  
Further symbol dimensions like AP(DQUALA11)

Examples on ENC: N/A

References:

S57	INT 1
M_QUAL	Not specified

Symbol Name:

AP(DQUALC01)

RN: 449

Symbol Explanation: pattern of symbols for a low accuracy or incomplete chart

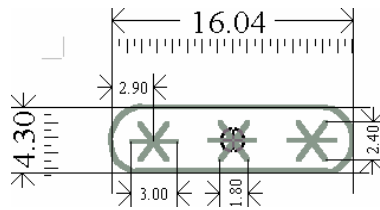
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.16

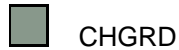
Pivot Point Row: 2.25

Width of Bounding Box: 16.04

Height of Bounding Box: 4.30



Symbol Colours:



CHGRD

Pattern Type: Staggered

Pattern Spacing: Constant

Minimum Distance: 16.00

Maximum Distance: 16.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
M_QUAL	Not specified

Symbol Name:

AP(DQUALD01)

RN: 450

Symbol Explanation: pattern of symbols for an unreliable chart

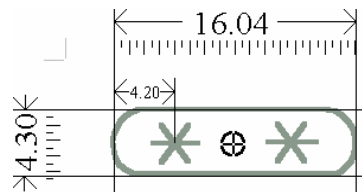
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.02

Pivot Point Row: 2.35

Width of Bounding Box: 16.04

Height of Bounding Box: 4.30



Symbol Colours:



CHGRD

Pattern Type: Staggered

Pattern Spacing: Constant

Minimum Distance: 16.00

Maximum Distance: 16.00

Comments: Line weight 0.3 mm  
Further symbol dimensions like AP(DQUALC01)

Examples on ENC: N/A

References:

S57	INT 1
M_QUAL	Not specified

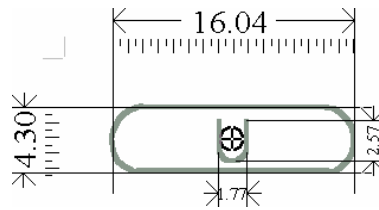
Symbol Name:	AP(DQUALU01)	RN: 451
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Symbol Explanation: pattern of symbols for a chart with quality not assessed

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 8.03  
Pivot Point Row: 2.18

Width of Bounding Box: 16.04  
Height of Bounding Box: 4.30



Symbol Colours:  CHGRD

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 16.00  
Maximum Distance: 16.00

Comments: Line weight 0.3 mm

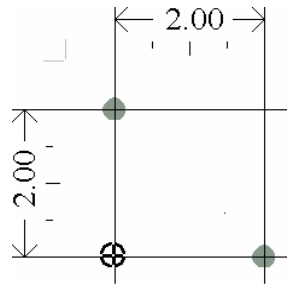
Examples on ENC: N/A

References:

S57	INT 1
M_QUAL	Not specified

Symbol Name:	AP(DRGARE01)	RN: 452
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Symbol Explanation: dredged area  
 Look up table affected: N/A  
 Called by CSP etc.: CSP DEPART02  
 Pivot Point Column: 0.00  
 Pivot Point Row: 2.00  
 Width of Bounding Box: 2.00  
 Height of Bounding Box: 2.00



Symbol Colours:  CHGRD



Pattern Type: Linear  
 Pattern Spacing: Constant

Minimum Distance: 1.50  
 Maximum Distance: 1.50

Comments: Point diameter 0.3 mm;  
 In order to avoid clutter which make other information difficult to read, the dot of this pattern should not be larger ~~than~~ than 0.3 mm.

Examples on ENC: N/A

#### References:

S57	INT 1	
DRGARE	I 20-23	(I 21)  7.0m 

Symbol Name:	AP(FOULAR01)	RN: 453
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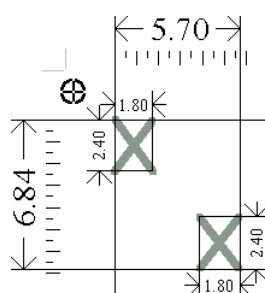
Symbol Explanation: foul area, not safe for navigation


Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Called by CSP etc.: CSP OBSTRN05 Continuation C

Pivot Point Column: -1.83  
Pivot Point Row: -1.22

Width of Bounding Box: 5.70  
Height of Bounding Box: 6.84



Symbol Colours:  CHGRD

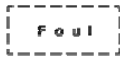


Pattern Type: Linear  
Pattern Spacing: Constant

Minimum Distance: 1.50  
Maximum Distance: 1.50

Comments: Line weight 0.3 mm

Examples on ENC: N/A

## References:

S57	INT 1
OBSTRN	K 1, 31, 40-42, 43.1, 46.1, 46.2 (K 31) #  (K 40)  Obstrn 



Symbol Name:

AP(FSHFAC03)

RN: 454

Symbol Explanation: pattern of symbols for an area with fishing stakes

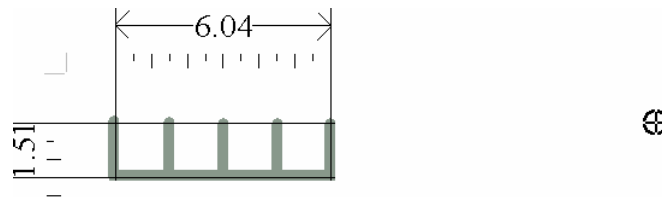
Look up table affected: area symbols with plain boundaries

Pivot Point Column: 15.08

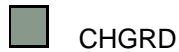
Pivot Point Row: -0.05

Width of Bounding Box: 6.04

Height of Bounding Box: 1.51



Symbol Colours:



CHGRD

Pattern Type: Staggered

Pattern Spacing: Constant

Minimum Distance: 20.00

Maximum Distance: 20.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FSHFAC	K 44.1	(K 44.1)

Symbol Name:	AP(FSHFAC04)	RN: 455
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Symbol Explanation: pattern of symbols for an area with fish traps, fish weirs, tunny nets

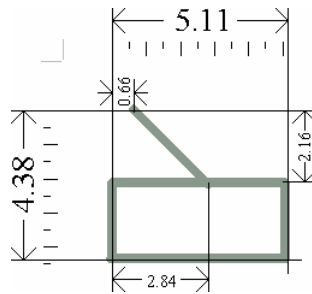
Look up table affected: area symbols with plain boundaries

Pivot Point Column: 12.61

Pivot Point Row: -2.27

Width of Bounding Box: 5.11

Height of Bounding Box: 4.38



Symbol Colours:  CHGRD

Pattern Type: Staggered

Pattern Spacing: Constant


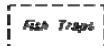
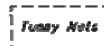
Minimum Distance: 20.00

Maximum Distance: 20.00

Comments: Line weight 0.3 mm

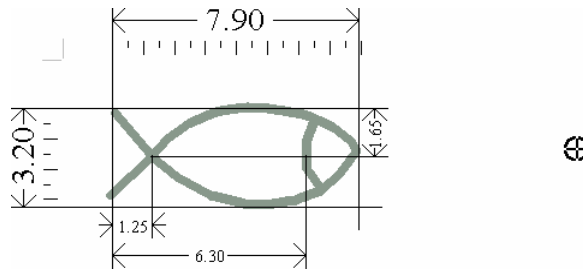
Examples on ENC: N/A

References:

S57	INT 1	
FSHFAC	K 44.2, 45;	(K 44.2)  (K 45)  

Symbol Name:	AP(FSHHAV02)	RN: 456
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Symbol Explanation: pattern of symbols for a fish haven  
 Look up table affected: area symbols with plain boundaries  
 Pivot Point Column: 14.90  
 Pivot Point Row: 1.35  
 Width of Bounding Box: 7.90  
 Height of Bounding Box: 3.20



Symbol Colours:  CHGRD

Pattern Type: Staggered  
 Pattern Spacing: Constant

Minimum Distance: 20.00  
 Maximum Distance: 20.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

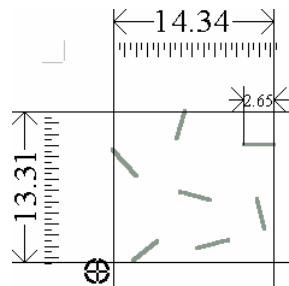
S57	INT 1
FSHFAC	Not specified

Symbol Name:

AP(ICEARE04)

RN: 457

Symbol Explanation: continuous pattern for an ice area (glacier, etc.)

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundariesPivot Point Column: -1.31  
Pivot Point Row: 14.35Width of Bounding Box: 14.34  
Height of Bounding Box: 13.31

Symbol Colours:




CHGRD

Pattern Type: Linear  
Pattern Spacing: ConstantMinimum Distance: 0.00  
Maximum Distance: 0.00Comments: Line weight 0.3 mm  
seven short lines in given bounding box should cause uniform pattern on covered object

Examples on ENC: N/A

References:

S57	INT 1	
ICEARE	C 25; N 60.1, 60.2	(C 25) 

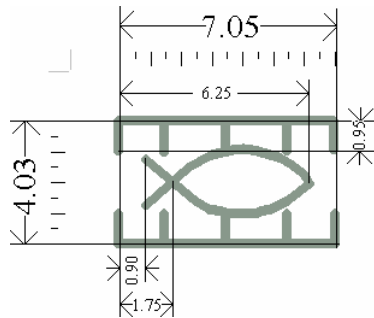
Symbol Name:	AP(MARCUL02)	RN: 458
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Symbol Explanation: pattern of symbols for a marine farm

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 19.93  
Pivot Point Row: -1.99

Width of Bounding Box: 7.05  
Height of Bounding Box: 4.03



Symbol Colours:  CHGRD


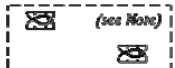


Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 20.00  
Maximum Distance: 20.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
MARCUL	K 47, 48.1, 48.2	(K 47)  (K 48.1)  (K 48.2)  

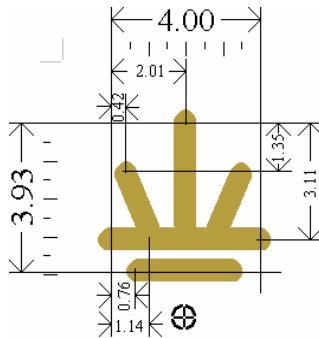
Symbol Name:	AP(MARSHES1)	RN: 459
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Symbol Explanation: pattern of symbols for a marsh

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 2.00  
Pivot Point Row: 5.17

Width of Bounding Box: 4.00  
Height of Bounding Box: 3.93



Symbol Colours:  CHBRN

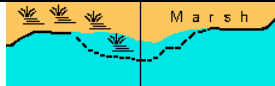
Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 15.00  
Maximum Distance: 15.00

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDGRN	C 33	

Symbol Name:	AP(NODATA03)	RN: 460
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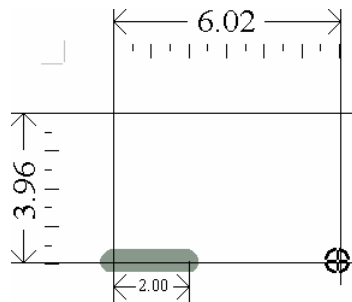
Symbol Explanation: area of no chart data

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Called by CSP etc.: CSP DATCVR02

Pivot Point Column: 6.00  
Pivot Point Row: 3.95

Width of Bounding Box: 6.02  
Height of Bounding Box: 3.96



Symbol Colours:  CHGRD

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 1.00  
Maximum Distance: 1.00

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
M_QUAL	Not specified	
UNSARE	I 25	

Symbol Name:

AP(OVERSC01)

RN: 461

Symbol Explanation: over scale part of a display containing data from more than one navigation purpose

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

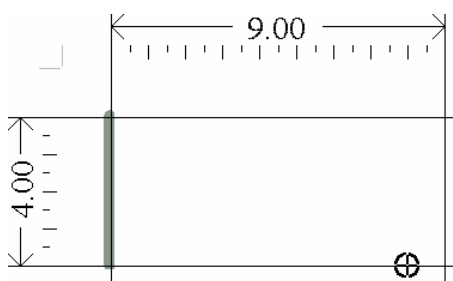
Called by CSP etc.: CSP DATCVR02

Pivot Point Column: 8.00

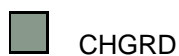
Pivot Point Row: 4.00

Width of Bounding Box: 9.00

Height of Bounding Box: 4.00



Symbol Colours:



CHGRD

Pattern Type: Linear

Pattern Spacing: Constant

Minimum Distance: 0.00

Maximum Distance: 0.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
M_CSCL	Not specified



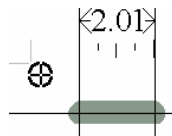
Symbol Name:	AP(PRTSUR01)	RN: 462
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Symbol Explanation: incompletely surveyed area

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: -1.01  
Pivot Point Row: -1.01

Width of Bounding Box: 2.01  
Height of Bounding Box: 0.00



Symbol Colours:  CHGRD

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 10.00  
Maximum Distance: 10.00

Comments: Line weight 0.6 mm

Examples on ENC: N/A

## References:

S57	INT 1
DEPARE	Not specified

Symbol Name:

AP(QUESMRK1)

RN: 463

Symbol Explanation: pattern of symbols for an area which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library

Look up table affected: default pattern for first line of earlier area symbols

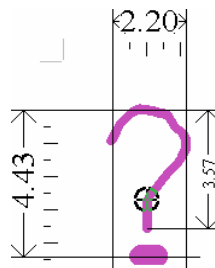
Called by CSP etc.: CSP TOPMAR01

Pivot Point Column: 1.08

Pivot Point Row: 2.74

Width of Bounding Box: 2.20

Height of Bounding Box: 4.43



Symbol Colours:



CHMGD

Pattern Type: Staggered

Pattern Spacing: Constant

Minimum Distance: 20.00

Maximum Distance: 20.00

Comments: Line weight (question mark) 0.3 mm;  
Line weight (question mark dot) 0.6 mm

Examples on ENC: N/A

References:

S57

INT 1

Symbol Name:

AP(RCKLDG01)

RN: 464

Symbol Explanation: rock or coral drying ledges

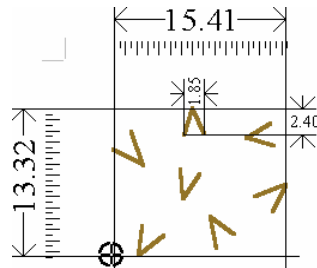
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: -0.06

Pivot Point Row: 13.38

Width of Bounding Box: 15.41

Height of Bounding Box: 13.32



Symbol Colours:



LANDF

Pattern Type: Linear

Pattern Spacing: Constant

Minimum Distance: 0.00

Maximum Distance: 0.00

Comments:

Line weight 0.3 mm

The seven "v" symbols in the box illustrated should form a continuous uniform pattern over the area of the object being symbolized.

Examples on ENC:

N/A

References:

S57	INT 1	
SBDARE	J 9, 10, 21, 22, 38	(J 22)

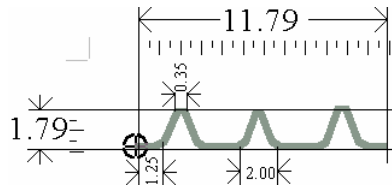
Symbol Name:	AP(SNDWAV01)	RN: 465
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Symbol Explanation: pattern of symbols for sand waves

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: -0.08  
Pivot Point Row: 1.83

Width of Bounding Box: 11.79  
Height of Bounding Box: 1.79



Symbol Colours:  CHGRD


Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 20.00  
Maximum Distance: 20.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
SNDWAV	J 14	

Symbol Name:

AP(TSSJCT02)

RN: 466

Symbol Explanation: precautionary area or a traffic separation scheme crossing or roundabout

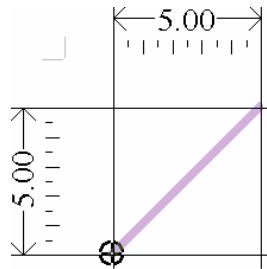
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 0.00

Pivot Point Row: 5.00

Width of Bounding Box: 5.00

Height of Bounding Box: 5.00



Symbol Colours:



Pattern Type: Linear  
Pattern Spacing: Constant


Minimum Distance: 0.00

Maximum Distance: 0.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
PRCARE	M 16, 24	(M 16)  Precautionary Area
TSSCRS	M 23	
TSSLPT	M 10	
TSSRON	M 21	

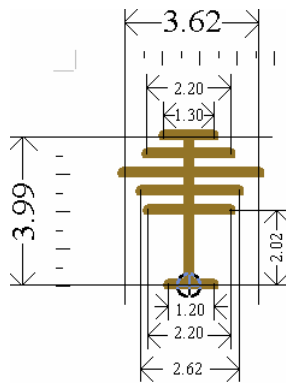
Symbol Name:	AP(VEGATN03)	RN: 467
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Symbol Explanation: pattern of symbols for wooded areas

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 1.75  
Pivot Point Row: 3.98

Width of Bounding Box: 3.62  
Height of Bounding Box: 3.99



Symbol Colours:  LANDF

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 10.00  
Maximum Distance: 10.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
VEGATN	C 14, 30, 31.1-31.8; G 37-39	<div style="border: 1px solid black; padding: 5px;"> <p>(C 30)</p> <p>(C 31.4)</p> </div>

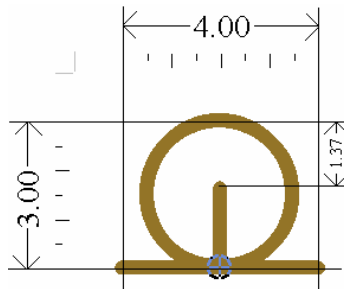
Symbol Name:	AP(VEGATN04)	RN: 468
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Symbol Explanation: pattern of symbols for mangroves

Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

Pivot Point Column: 2.00  
Pivot Point Row: 3.00

Width of Bounding Box: 4.00  
Height of Bounding Box: 3.00



Symbol Colours:  LANDF

Pattern Type: Staggered  
Pattern Spacing: Constant

Minimum Distance: 10.00  
Maximum Distance: 10.00

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
VEGATN	C 32	

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Document comparison done by DeltaView on 18 October 2013 13:33:26

<b>Legend:</b>	
<u>Insertion</u>	
<del>Deletion</del>	
<u>Moved from</u>	
<u>Moved to</u>	
Style change	
Format change	
<del>Moved deletion</del>	
Inserted cell	
Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

<b>Statistics:</b>	
	Count
Insertions	193
Deletions	771
Moved from	0
Moved to	0
Style change	0
Format changed	0
Total changes	964