

# **S-52 Annex A:100: IHO S-100 ECDIS Presentation Library for S-57 ENC**

**Edition 5.0(.0) – May 2025**

## **Addendum to Part I: S-52 ENC Symbol Catalogue**

**Paper based description of symbols for use on S-100 ECDIS for S-57 datasets**

**IHO**



International  
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Published by the  
International Hydrographic Organization  
4b quai Antoine 1<sup>er</sup>  
Principauté de Monaco  
Tel: (377) 93.10.81.00  
Fax: (377) 93.10.81.40  
info@iho.int  
www.iho.int

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**Changes made S-52 ENC Symbol Catalogue in Edition 5.0(.0)**

Description	Symbol Name	Reference Number
Symbol explanation changed to just reference centred symbol for cable area, power lines	SY(CBLARE51)	76
New centred symbol for cable area, telephone or telegraph	SY(CBLARE52)	76
Symbol explanation changed to just reference boundary of a submarine cable area, power lines	LC(CBLARE51)	472
New line style boundary of a submarine cable area, telephone or telegraph	LC(CBLARE52)	472
Symbol explanation changed to just reference submarine cable, power line	LC(CBLSUB06)	473
New line style submarine cable, telephone or telegraph	LC(CBLSUB07)	473
New line style submarine cable, not in use (Disused)	LC(CBLSUB08)	473
New line style overhead cable, power line	LC(CBLOHD01)	473

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ENC SYMBOL CATALOGUE

PAPER BASED DESCRIPTION OF SYMBOLS FOR USE ON ECDIS

1.	Point Symbols and Centered Area Symbols .....	1
2.	Complex Linestyles.....	475
3.	Area Pattern.....	535

# **1. Point Symbols and Centered Area Symbols**

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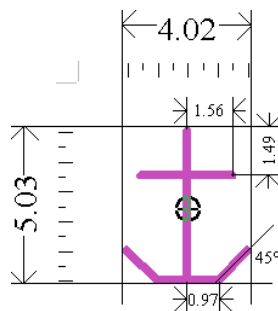
Symbol Name:	<b>SY(ACHARE02)</b>	RN: 1
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Symbol Explanation: anchorage area as a point at small scale, or anchor points of mooring trot at large scale

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


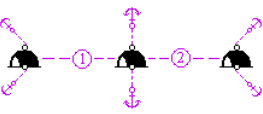


Symbol Colours:  CHMGD

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	

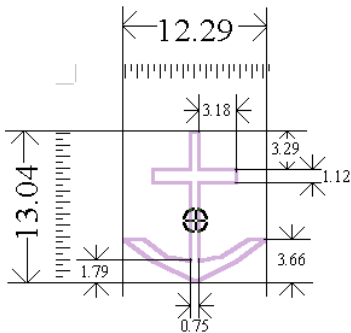
Symbol Name:	SY(ACHARE51)	RN: 2
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Symbol Explanation: anchorage area

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:	<b>SY(ACHBRT07)</b>	RN: 3
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Symbol Explanation: designated anchor berth for a single vessel

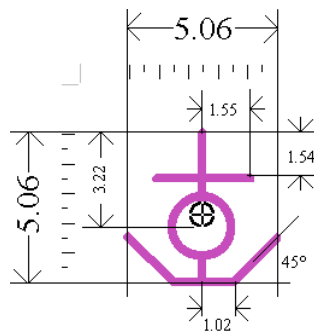
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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
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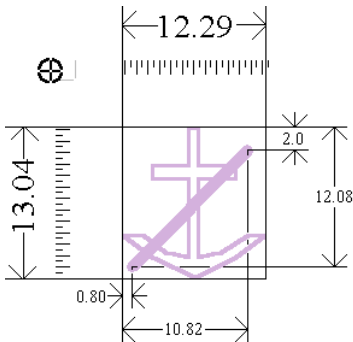
Symbol Explanation: area where anchoring is prohibited or restricted

Look up table affected: N/A

Called by CSP etc.: CSP RESARE04 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:	<b>SY(ACHRES61)</b>	RN: 5
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Symbol Explanation: area where anchoring is prohibited or restricted, with other cautions

Look up table affected: N/A

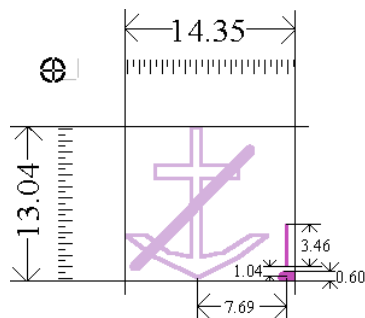
Called by CSP etc.: CSP RESARE04 Continuation B,  
CSP RESCSP02 Continuation B

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:

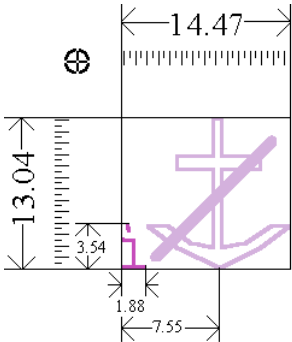
N/A

References:

S57	INT 1	
RESARE	N 20	

Symbol Name:	SY(ACHRES71)	RN: 6
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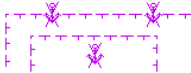
Symbol Explanation:	area where anchoring is prohibited or restricted, with other information
Look up table affected:	N/A
Called by CSP etc.:	CSP RESARE04 Continuation B, CSP RESCSP02 Continuation B
Pivot Point Column:	-4.22
Pivot Point Row:	-5.13
Width of Bounding Box:	14.47
Height of Bounding Box:	13.04



Symbol Colours:	 CHMGF
	 CHMGD

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.
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Examples on ENC:	N/A
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References:	
S57	INT 1
RESARE	N 20
	

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

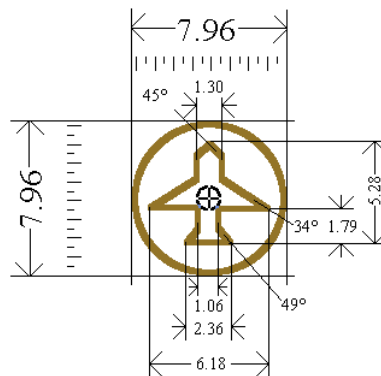
Look up table affected: paper chart point symbols  
simplified point symbols

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:

SY(BCNCAR01)

RN: 16

Symbol Explanation:

cardinal beacon, north, simplified

Look up table affected:

simplified point symbols

Pivot Point Column:

2.00

Pivot Point Row:

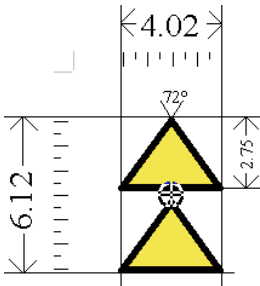
3.05

Width of Bounding Box:

4.02

Height of Bounding Box:

6.12



Symbol Colours:

OUTLW

CHYLW

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

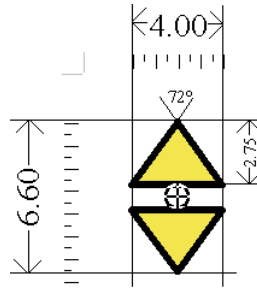
Look up table affected: simplified point symbols

Pivot Point Column: 2.00

Pivot Point Row: 3.30

Width of Bounding Box: 4.00

Height of Bounding Box: 6.60



Symbol Colours:



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

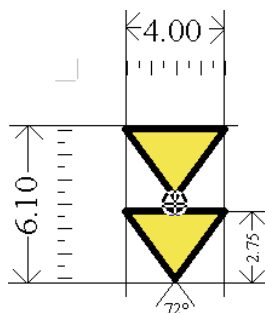
Look up table affected: simplified point symbols

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:

SY(**BCNCAR04**)

RN: 19

Symbol Explanation: cardinal beacon, west, simplified

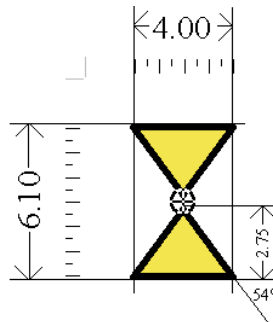
Look up table affected: simplified point symbols

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

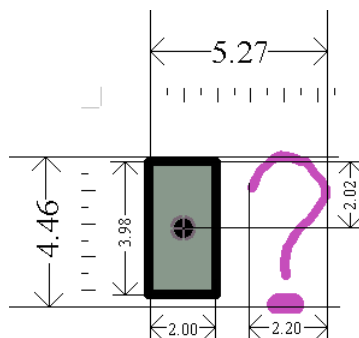
Look up table affected: simplified point symbols

Pivot Point Column: 1.03

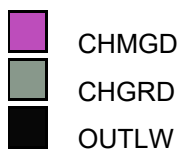
Pivot Point Row: 2.18

Width of Bounding Box: 5.27

Height of Bounding Box: 4.46



Symbol Colours:



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

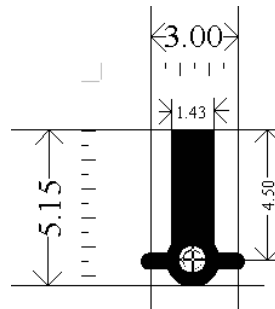
Look up table affected: paper chart point symbols

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

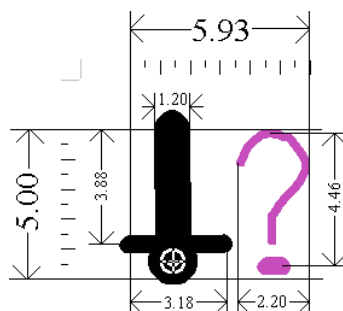
Look up table affected: paper chart point symbols

Pivot Point Column: 1.50

Pivot Point Row: 4.46

Width of Bounding Box: 5.93

Height of Bounding Box: 5.00



Symbol Colours:



CHMGD

CHBLK

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:	<b>SY(BCNISD21)</b>	RN: 23
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Symbol Explanation: isolated danger beacon, simplified

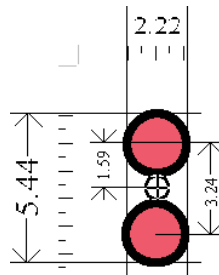
Look up table affected: simplified point symbols

Pivot Point Column: 1.12

Pivot Point Row: 2.69

Width of Bounding Box: 2.22

Height of Bounding Box: 5.44



Symbol Colours:

<span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span>	OUTLW
<span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span>	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

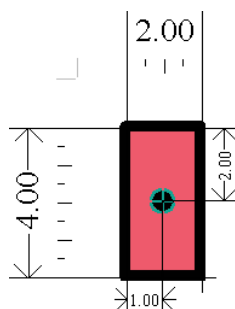
Look up table affected: simplified point symbols

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

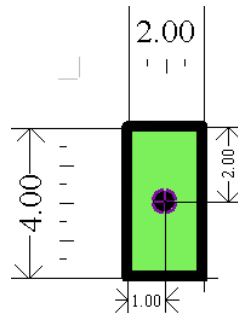
Look up table affected: simplified point symbols

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

Symbol Explanation: minor lateral beacon, red, simplified

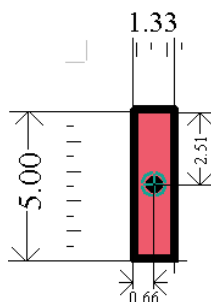
Look up table affected: simplified point symbols

Pivot Point Column: 0.66

Pivot Point Row: 2.51

Width of Bounding Box: 1.33

Height of Bounding Box: 5.00



Symbol Colours:



OUTLW



CHRED

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

Symbol Explanation: minor lateral beacon, green, simplified

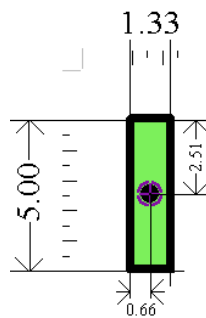
Look up table affected: simplified point symbols

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

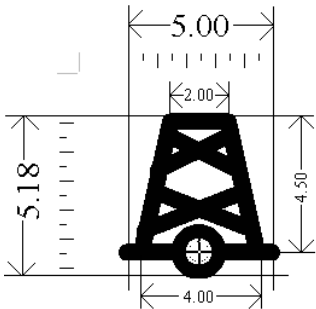
Look up table affected:        paper chart point symbols

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

Symbol Explanation: major safe water beacon, simplified

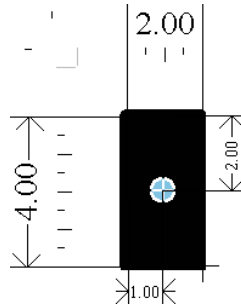
Look up table affected: simplified point symbols

Pivot Point Column: 1.00

Pivot Point Row: 2.00

Width of Bounding Box: 2.00

Height of Bounding Box: 4.00



Symbol Colours:



CHBLK (outline)



OUTLW



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:	SY(BCNSAW21)	RN: 30
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Symbol Explanation: minor safe water beacon, simplified

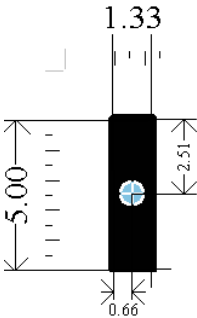
Look up table affected: simplified point symbols

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

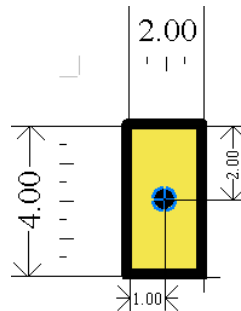
Look up table affected: simplified point symbols

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

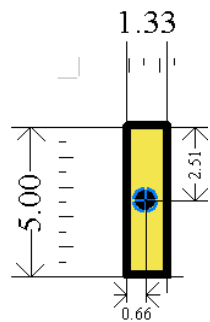
Look up table affected: simplified point symbols

Pivot Point Column: 0.66

Pivot Point Row: 2.51

Width of Bounding Box: 1.33

Height of Bounding Box: 5.00



Symbol Colours:

OUTLW

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

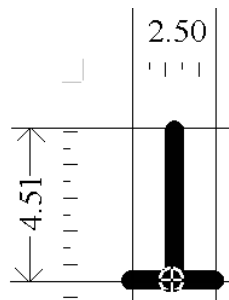
Look up table affected: paper chart point symbols

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

Symbol Explanation: beacon tower, paper-chart

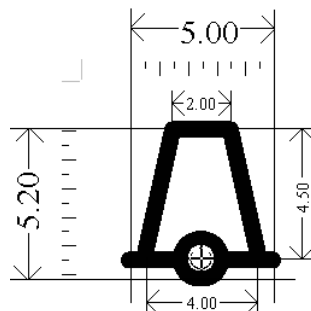
Look up table affected: paper chart point symbols

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

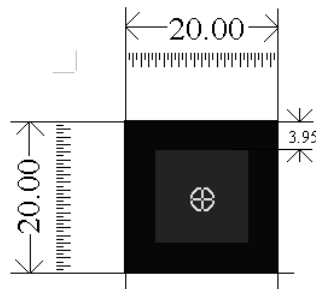
Look up table affected: N/A

Pivot Point Column: 10.33

Pivot Point Row: 10.43

Width of Bounding Box: 20.00

Height of Bounding Box: 20.00



Symbol Colours :



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

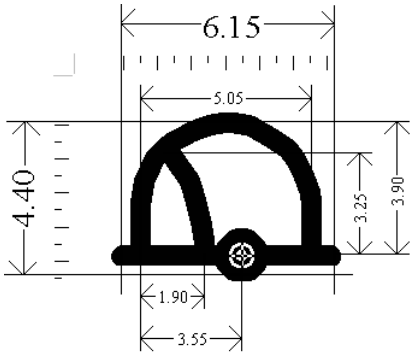
Look up table affected: paper chart point symbols

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

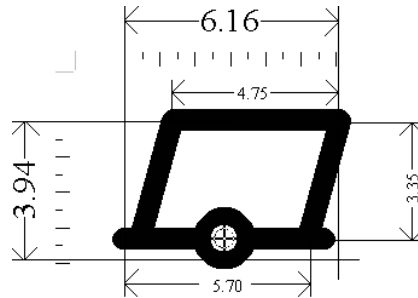
Look up table affected: paper chart point symbols

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
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Symbol Explanation: cardinal buoy, north, simplified

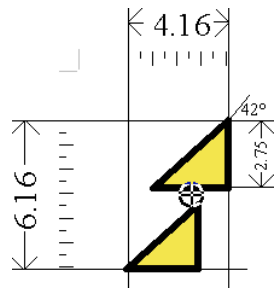
Look up table affected: simplified point symbols

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 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1
BOYCAR	Q 130.3

Symbol Name:	<b>SY(BOYCAR02)</b>	RN: 38
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Symbol Explanation: cardinal buoy, east, simplified

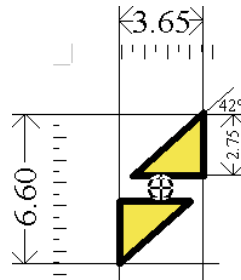
Look up table affected: simplified point symbols

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 0.3 mm

Examples on ENC: N/A

#### References:

S57	INT 1
BOYCAR	Q 130.3

Symbol Name:	SY(BOYCAR03)	RN: 39
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Symbol Explanation: cardinal buoy, south, simplified

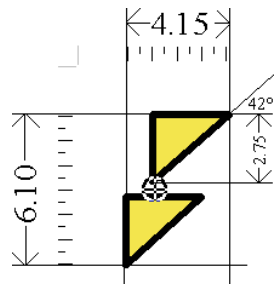
Look up table affected: simplified point symbols

Pivot Point Column: 1.20

Pivot Point Row: 3.05

Width of Bounding Box: 4.15

Height of Bounding Box: 6.10



Symbol Colours:

OUTLW

CHYLW

Comments: Line weight 0.3 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

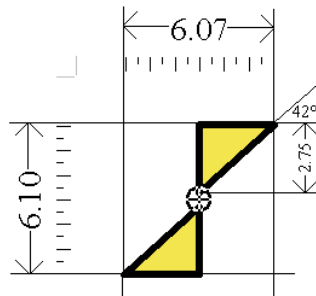
Look up table affected: simplified point symbols

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 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
BOYCAR	Q 130.3	

Symbol Name:

SY(**BOYCON01**)

RN: 41

Symbol Explanation: conical buoy, paper-chart

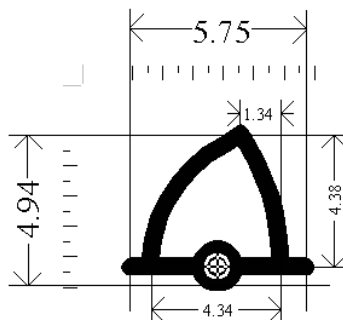
Look up table affected: paper chart point symbols

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

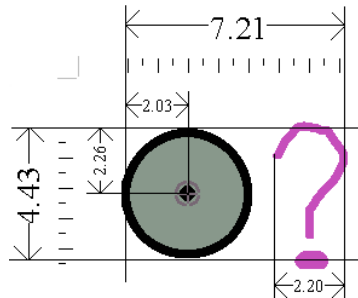
Look up table affected: simplified point symbols

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

Symbol Explanation: default symbol for buoy, paper-chart

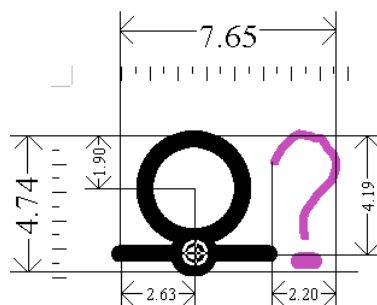
Look up table affected: paper chart point symbols

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	<p>Body : black with red horizontal band(s)            Topmark : 2 black spheres</p>
BOYLAT	Q 130.1	
BOYSAW	Q 130.5	<p>Body : red and white vertical stripes            Topmark (if any) : red sphere</p>
BOYSPP	Q 130.6	<p>Body (shape optional) : yellow            Topmark (if any) : yellow X</p> <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

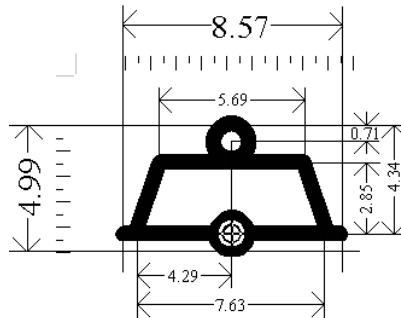
Look up table affected: paper chart point symbols

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

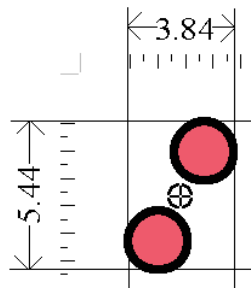
Look up table affected: simplified point symbols

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	<p>Body : black with red horizontal band(s)</p> <p>Topmark : 2 black spheres</p>  <p>Fl(2) white light</p> 

Symbol Name:

SY(BOYLAT13)

RN: 46

Symbol Explanation: conical lateral buoy, green, simplified

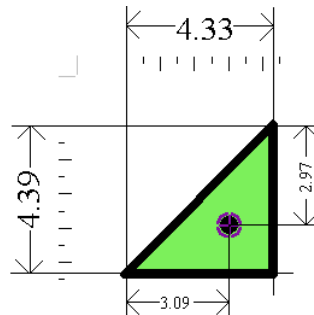
Look up table affected: simplified point symbols

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

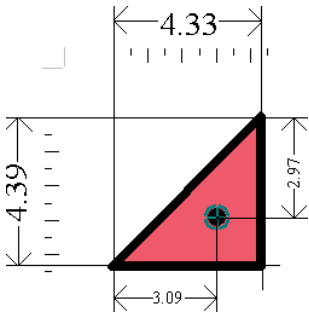
Look up table affected: simplified point symbols

Pivot Point Column: 3.09

Pivot Point Row: 2.97

Width of Bounding Box: 4.33

Height of Bounding Box: 4.39



Symbol Colours:

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(BOYLAT23)

RN: 48

Symbol Explanation: can shape lateral buoy, green, simplified

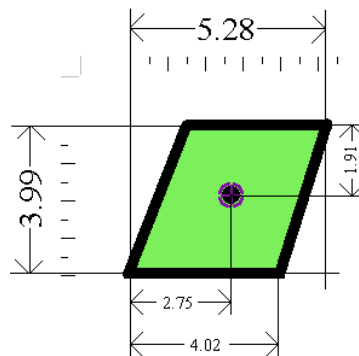
Look up table affected: simplified point symbols

Pivot Point Column: 2.75

Pivot Point Row: 1.91

Width of Bounding Box: 5.28

Height of Bounding Box: 3.99



Symbol Colours:



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

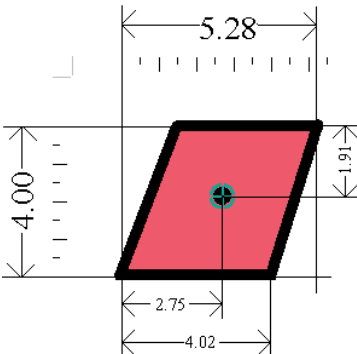
Symbol Name:	SY(BOYLAT24)	RN: 49
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Symbol Explanation: can shape lateral buoy, red, simplified

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

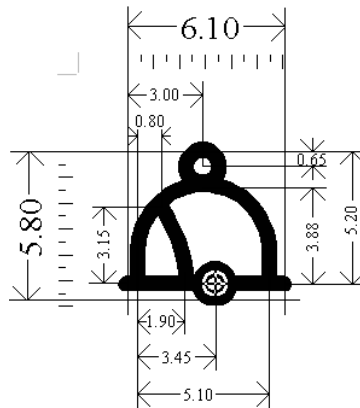
Look up table affected: paper chart point symbols

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
		 

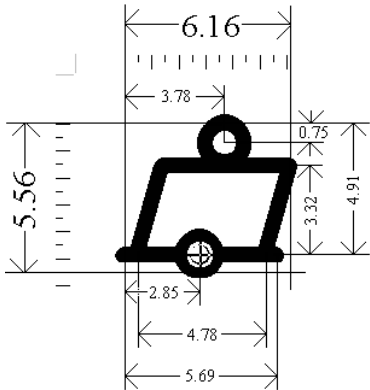
Symbol Name:	SY(BOYMOR03)	RN: 51
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Symbol Explanation: mooring buoy, can shape, paper-chart

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

Symbol Explanation: installation buoy and mooring buoy, simplified

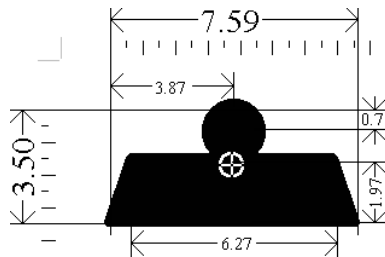
Look up table affected: paper chart point symbols  
simplified point symbols

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
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Symbol Explanation: pillar buoy, paper-chart

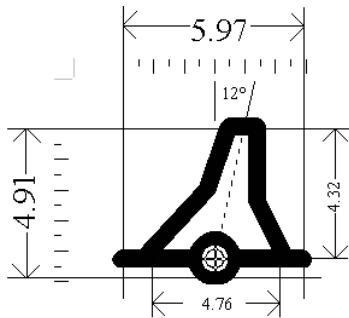
Look up table affected: paper chart point symbols

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
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

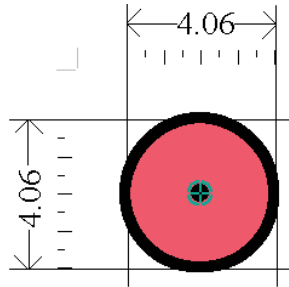
Look up table affected: simplified point symbols

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
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Symbol Explanation: spherical buoy, paper-chart

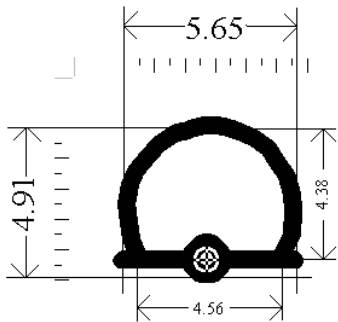
Look up table affected: paper chart point symbols

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

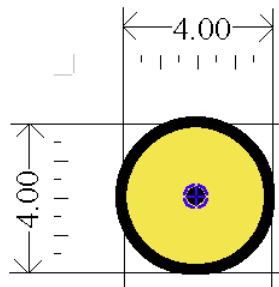
Look up table affected: simplified point symbols

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	<p>Q 130.6</p> <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(**BOYSPP15**)

RN: 57

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

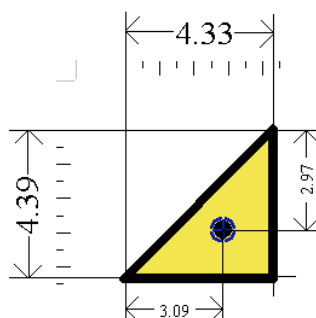
Look up table affected: simplified point symbols

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 (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(**BOYSPP25**)

RN: 58

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

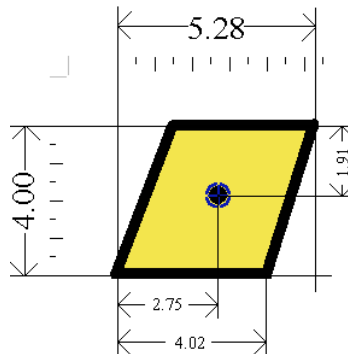
Look up table affected: simplified point symbols

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[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(**BOYSPP35**)

RN: 527

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

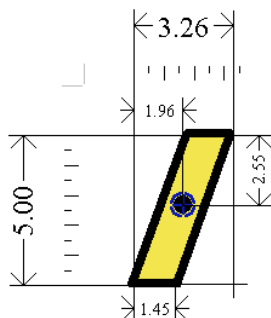
Look up table affected: simplified point symbols

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

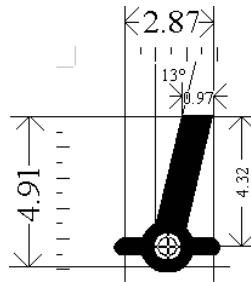
Look up table affected: paper chart point symbols

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

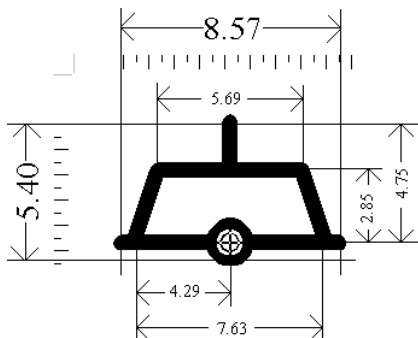
Look up table affected: paper chart point symbols

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

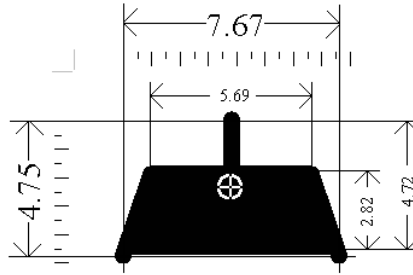
Look up table affected: simplified point symbols

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

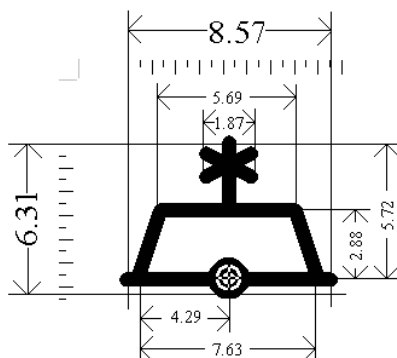
Look up table affected: paper chart point symbols

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)

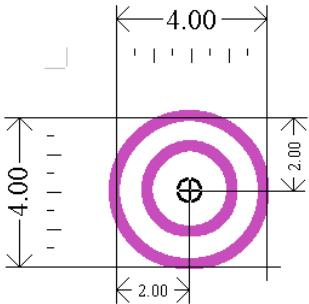
Symbol Name:	SY(BRIDGE01)	RN: 63
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Symbol Explanation: symbol for opening bridge

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

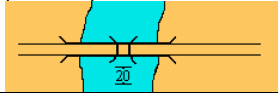


Symbol Colours:  CHMGD

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) 

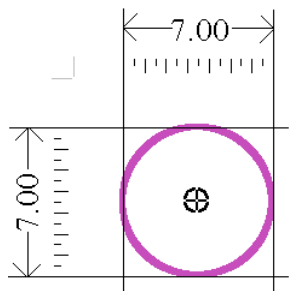
Symbol Name:	SY(BRTHN001)	RN: 64
--------------	--------------	--------

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	 



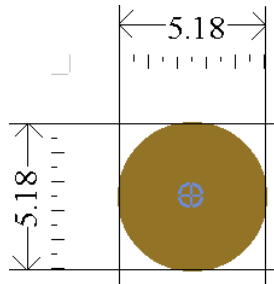
Symbol Name:	<b>SY(BUAARE02)</b>	RN: 65
--------------	---------------------	--------

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)	
		<div style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black; text-align: center; vertical-align: middle;">o</div> NAME	<div style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black; text-align: center; vertical-align: middle;">□</div> NAME

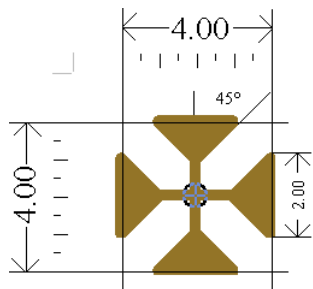
Symbol Name:	SY(BUIREL01)	RN: 66
--------------	--------------	--------

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) 
LNDMRK	E 10.2; 10.3; 10.4	

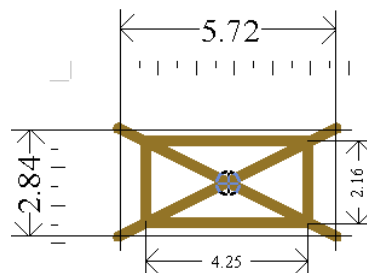
Symbol Name:	SY(BUIREL04)	RN: 67
--------------	--------------	--------

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

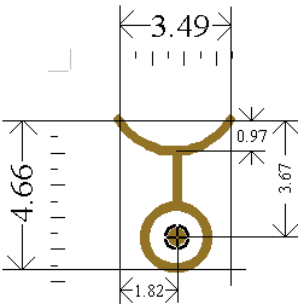
Look up table affected: paper chart point symbols  
simplified point symbols

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

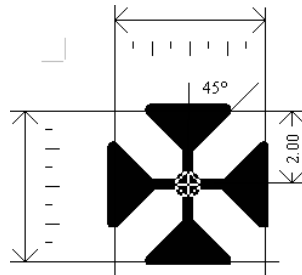
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6 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) 

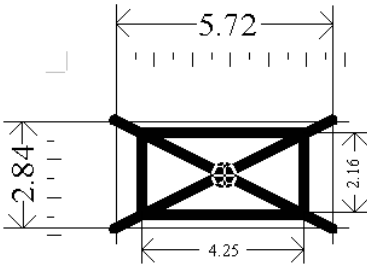
Symbol Name:	SY(BUIREL14)	RN: 70
--------------	--------------	--------

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 0.6 mm

Examples on ENC: N/A

References:

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

Symbol Name:

SY(BUIREL15)

RN: 71

Symbol Explanation: conspicuous mosque or minaret

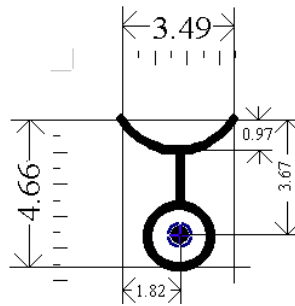
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6 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)
		

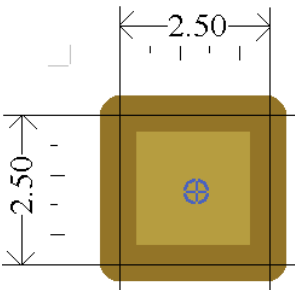
Symbol Name:	SY(BUISGL01)	RN: 72
--------------	--------------	--------

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:

LANDF

CHBRN

Comments: Line weight 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) 



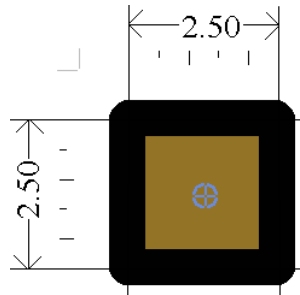
Symbol Name:	<b>SY(BUISGL11)</b>	RN: 73
--------------	---------------------	--------

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) 

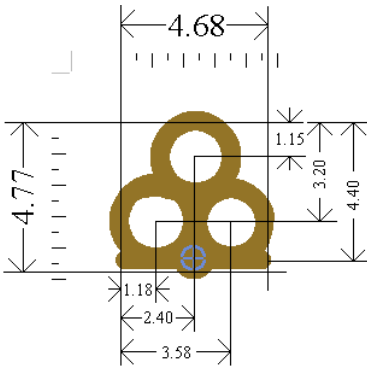
Symbol Name:	SY(CAIRNS01)	RN: 74
--------------	--------------	--------


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 0.3 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)
	

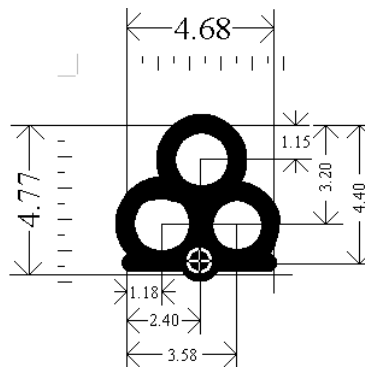
Symbol Name:	<b>SY(CAIRNS11)</b>	RN: 75
--------------	---------------------	--------

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) 

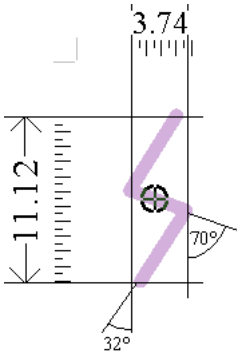
Symbol Name:	SY(CBLARE51)	RN: 76
--------------	--------------	--------

Symbol Explanation: cable area, power lines

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 0.6 mm

Examples on ENC: N/A

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

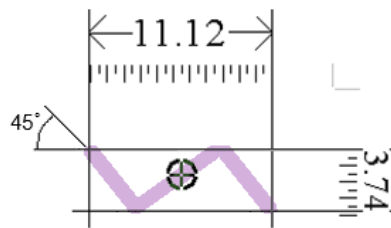
Symbol Name:	<b>SY(CBLARE52)</b>	RN: 76
--------------	---------------------	--------

Symbol Explanation: cable area, telephone or telegraph

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 0.6 mm

Examples on ENC: N/A

## References:

S57	INT 1	
CBLARE	L 30.2	(L 30.2)

Symbol Name:

SY(**CGUSTA02**)

RN: 77

Symbol Explanation: coastguard station

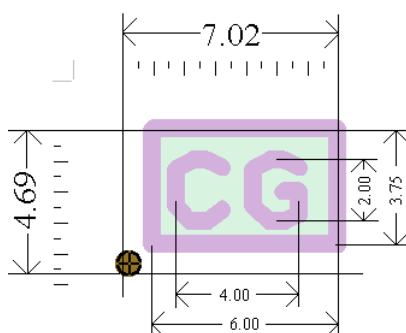
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 0.29

Pivot Point Row: 4.36

Width of Bounding Box: 7.02

Height of Bounding Box: 4.69



Symbol Colours:



LANDF



CHWHT



CHMGF

Comments:

Line weight 0.6 mm

Point diameter 0.92 mm

Examples on ENC:

N/A

References:

S57	INT 1	
CGUSTA	T 10, 11	CG  CG  CG

Symbol Name:	SY(CHCRDEL1)	RN: 78
--------------	--------------	--------

Symbol Explanation: this object has been manually deleted or modified

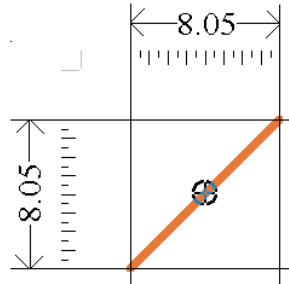
Look up table affected: N/A

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
-----	-------

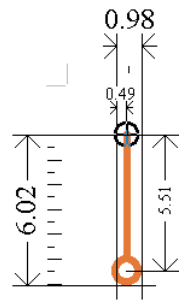
Symbol Name:	SY(CHCRID01)	RN: 79
--------------	--------------	--------


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

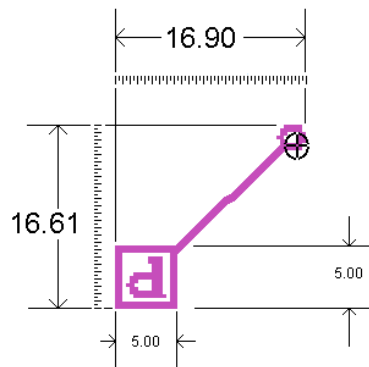
Look up table affected: N/A

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:

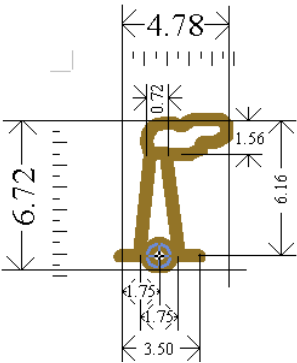
N/A


References:



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

Symbol Name:	SY(CHIMNY01)	RN: 80
--------------	--------------	--------

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 0.3mm
Examples on ENC:	N/A

References:		INT 1	
S57	E 22		

Symbol Name:

SY(CHIMNY11)

RN: 81

Symbol Explanation: conspicuous chimney

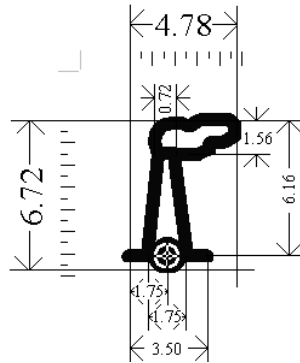
Look up table affected: paper chart point symbols  
simplified point symbols

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:

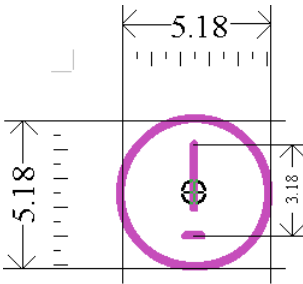
N/A


References:

S57	INT 1		
LNDMRK	E 22		



Symbol Name:	SY(CHINFO06)	RN: 82
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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

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:

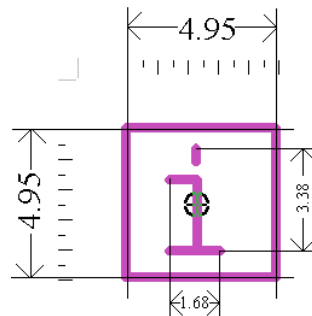
2.54

Width of Bounding Box:

4.95

Height of Bounding Box:

4.95



Symbol Colours:



CHMGD


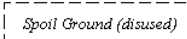

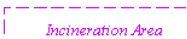
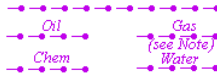
Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
CTSARE	N 64	 <i>Cargo Transhipment Area</i>
DMPGRD	N 23, 24, 62.1, 62.2	(N 62.2)  <i>Spoil Ground (disused)</i>
HRBFAC	F 10, 50, 52; U 1.1	(U 1.1) 
ICNARE	N 65	 <i>Incineration Area</i>
M_NPUB	Not specified	
PIPARE	L 40.2, 41.2	(L 40.1)  <i>Oil</i> <i>Gas</i> <i>Chem</i> <i>(see Note)</i> <i>Water</i>

Symbol Name:

SY(CHINFO08)

RN: 84

Symbol Explanation: mariner's information note

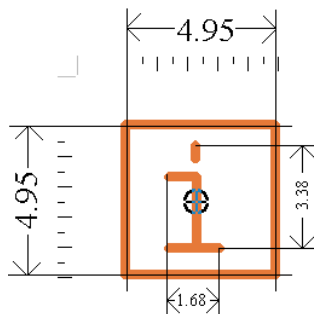
Look up table affected: paper chart point symbols  
simplified point symbols

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

Symbol Explanation: mariners caution note

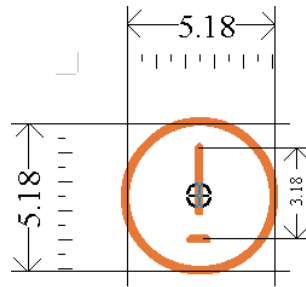
Look up table affected: paper chart point symbols  
simplified point symbols

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	

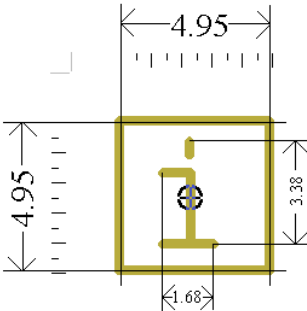
Symbol Name:	SY(CHINFO10)	RN: 86
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Symbol Explanation: manufacturer's information note

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	



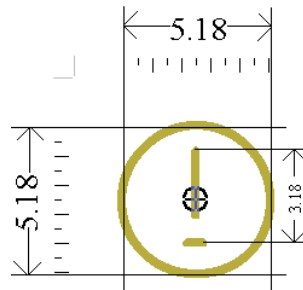
Symbol Name:	<b>SY(CHINFO11)</b>	RN: 87
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Symbol Explanation: manufacturer's caution note

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

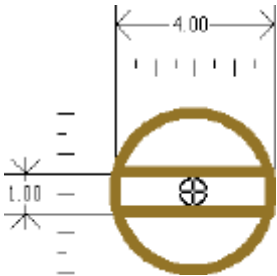
Symbol Name:	SY(CHKPNT01)	RN:	591
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Symbol Explanation: customs symbol

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:

S57	INT 1	
BUISGL	F 61	

Symbol Name:	<b>SY(CHKSYM01)</b>	RN: 88
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Symbol Explanation: test symbol for checking symbol sizes, should measure 5 mm by 5 mm

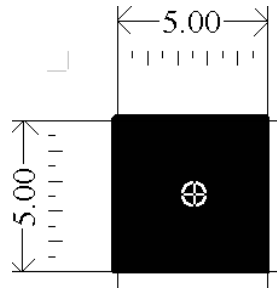
Look up table affected: N/A

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

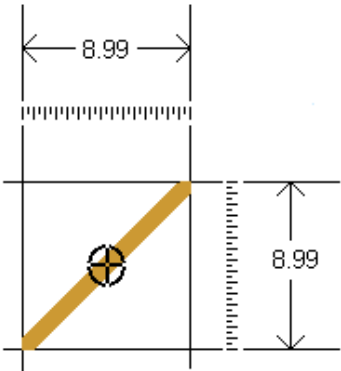
Examples on ENC: N/A

References:

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

Symbol Name:	SY(CHRVDEL1)	RN: 592
--------------	--------------	---------

Symbol Explanation:	This object has been deleted by an automatic update
Look up table affected:	N/A
Pivot Point Column:	4.49
Pivot Point Row:	4.50
Width of Bounding Box:	8.99
Height of Bounding Box:	8.99



Symbol Colours:	<div>CHCOR</div>
Comments:	Line weight 0.9 mm See PresLib section 10.7.2
Examples on ENC:	N/A

References:	
S57	INT 1

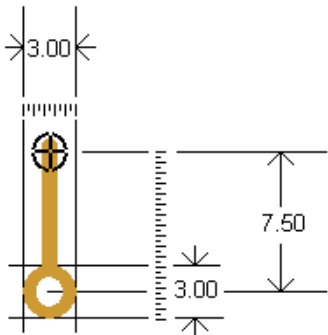
Symbol Name:	SY(CHRVID01)	RN: 593
--------------	--------------	---------

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:

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

Symbol Name:

SY(CRANES01)

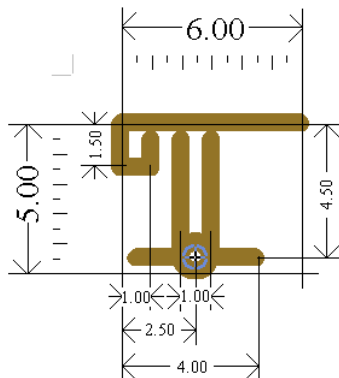
RN: 90

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

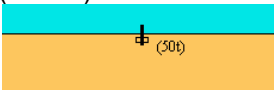


Symbol Colours:  LANDF

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

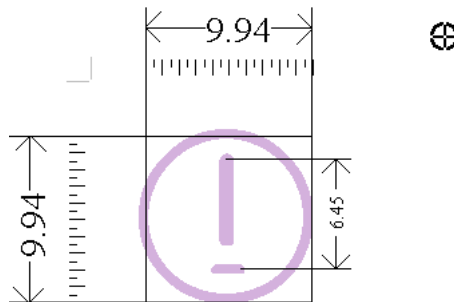
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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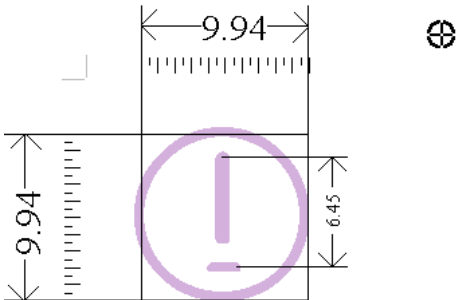
Symbol Explanation: cautionary area (e.g. ferry area) navigate with caution


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

Called by CSP etc.: CSP RESARE04 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

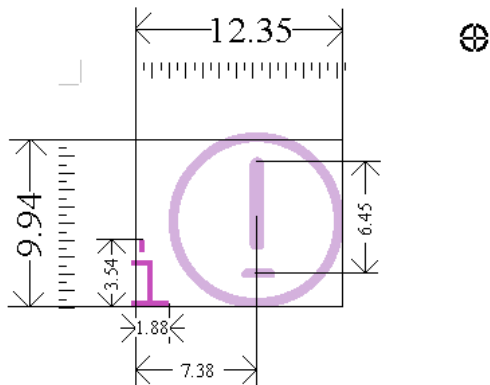
References:

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 RESARE04 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:	<div><div></div> TRFCF</div> <div><div></div> CHMGD</div>
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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
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References:	
S57	INT 1

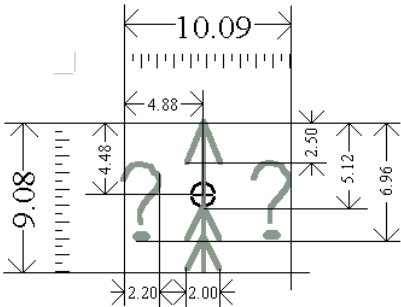
Symbol Name:	SY(CURDEF01)	RN: 94
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Symbol Explanation: current or tidal stream whose direction is not known

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

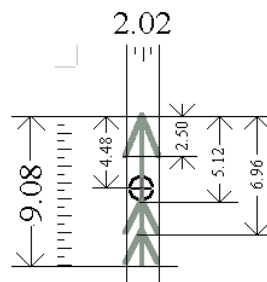
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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 kn  Jan-mar (see note)

Symbol Name:

SY(**DANGER01**)

RN: 98

Symbol Explanation: underwater hazard with a defined depth

Look up table affected: N/A

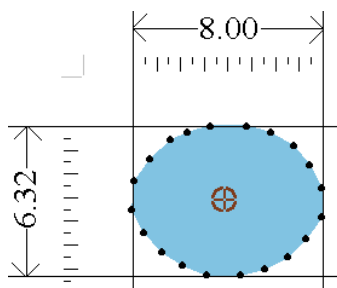
Called by CSP etc.: CSP OBSTRN07 Continuation A,  
CSP WRECKS05 Continuation A

Pivot Point Column: 3.95

Pivot Point Row: 3.18

Width of Bounding Box: 8.00

Height of Bounding Box: 6.32



Symbol Colours:




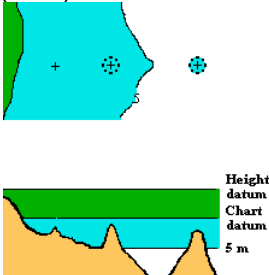

DEPVS

CHBLK

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

Symbol Explanation: underwater hazard with depth greater than 20 metres

Look up table affected: N/A

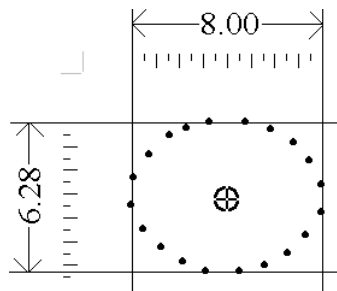
Called by CSP etc.: CSP OBSTRN07 Continuation A,  
CSP WRECKS05 Continuation A

Pivot Point Column: 4.05

Pivot Point Row: 3.28

Width of Bounding Box: 8.00

Height of Bounding Box: 6.28



Symbol Colours:


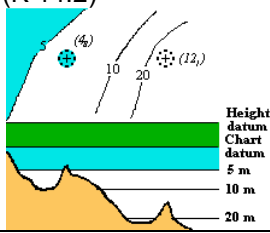



CHBLK

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:

SY(**DANGER03**)

RN: 525

Symbol Explanation: underwater hazard which covers and uncovers

Look up table affected: N/A

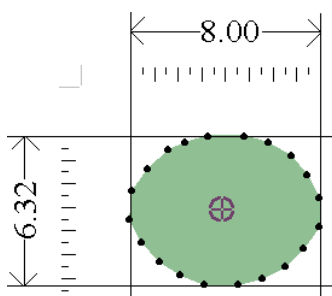
Called by CSP etc.: CSP OBSTRN07 Continuation A

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)  Height datum Chart datum 5 m

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

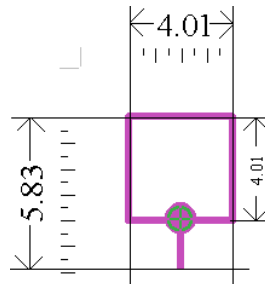
Look up table affected: simplified point symbols

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	 MK

Symbol Name:	SY(DAYSQR21)	RN: 101
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Symbol Explanation: square or rectangular day mark, paper chart

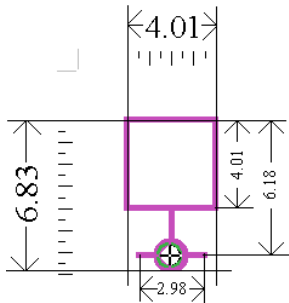
Look up table affected: paper chart point symbols

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
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Symbol Explanation: triangular day mark, point up, simplified

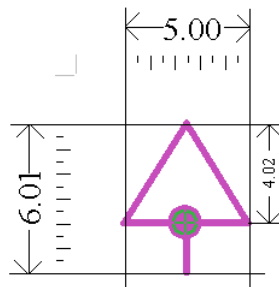
Look up table affected: simplified point symbols

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	<span style="display: inline-block; width: 15px; height: 15px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span> MK

Symbol Name:	SY(DAYTRI05)	RN: 103
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Symbol Explanation:                   triangular day mark, point down, simplified

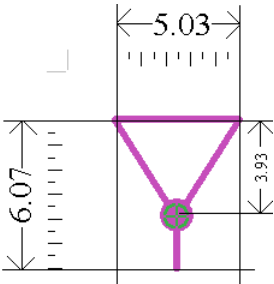
Look up table affected:               simplified point symbols


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
	 MK

Symbol Name:	SY(DAYTRI21)	RN: 104
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Symbol Explanation:                   triangular day mark, point up, paper chart

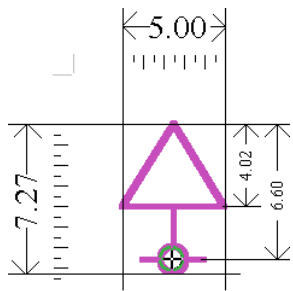
Look up table affected:               paper chart point symbols


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	 MK

Symbol Name:	SY(DAYTRI25)	RN: 105
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Symbol Explanation: triangular day mark, point down, paper chart

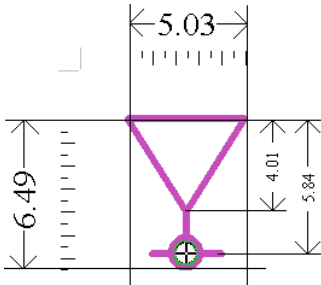
Look up table affected: paper chart point symbols

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
	<div style="background-color: orange; padding: 5px; display: inline-block;"> MK</div>

Symbol Name:

SY(DIRBOY01)

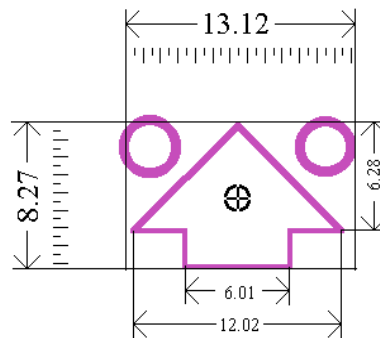
RN: 521

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)

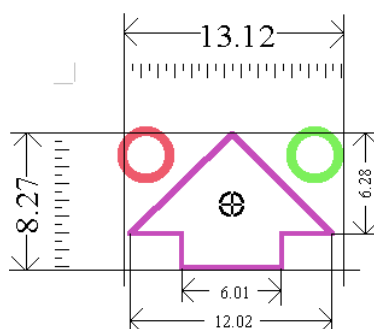
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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	<p>(Q 130.2)</p> <p>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.</p> <p> Symbol showing direction of buoyage where not obvious</p> <p> Symbol showing direction of buoyage on multicoloured charts</p>

Symbol Name:

SY(DIRBOYB1)

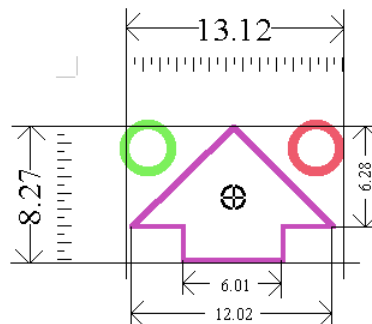
RN: 107

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	<p>(Q 130.2)</p> <p>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.</p> <p> Symbol showing direction of buoyage where not obvious</p> <p> Symbol showing direction of buoyage on multicoloured charts</p>

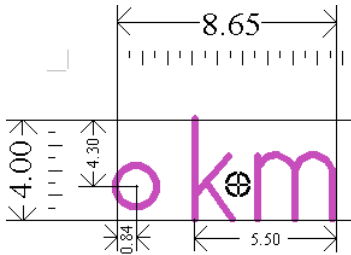
Symbol Name:	SY(DISMAR03)	RN: 108
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Symbol Explanation: distance mark

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:		INT 1		
S57				
DISMAR	F 40			



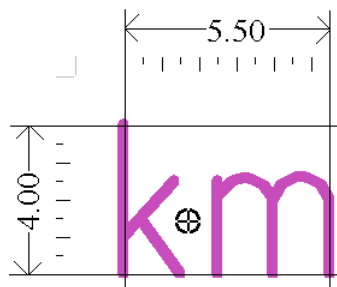
Symbol Name:	<b>SY(DISMAR04)</b>	RN: 109
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Symbol Explanation: distance point with no mark

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	<div style="display: flex; align-items: center;"> <div style="width: 50px; height: 20px; background-color: orange; margin-right: 5px;"></div> <div style="width: 50px; height: 20px; background-color: orange; margin-right: 5px; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; background-color: cyan; border: 1px solid black;"></div> </div> <div style="width: 50px; height: 20px; background-color: orange; margin-right: 5px; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; background-color: black; border: 1px solid black;"></div> </div> </div>	

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

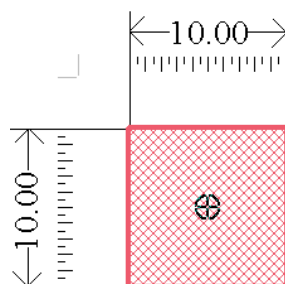
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.9mm; 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:

SY(DOMES001)

RN: 111

Symbol Explanation: dome

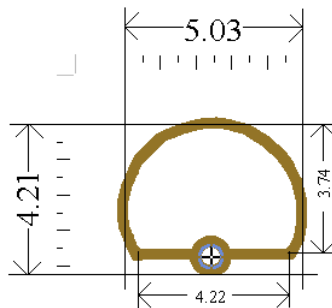
Look up table affected: paper chart point symbols  
simplified point symbols

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	(E 10.4)  (E 30.4)  Radome

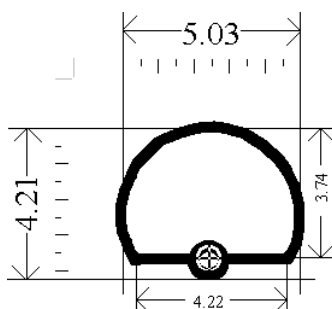
Symbol Name:	<b>SY(DOMES011)</b>	RN: 112
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Symbol Explanation: conspicuous dome

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 0.6 mm; circle diameter 0.86 mm

Examples on ENC: N/A

#### References:

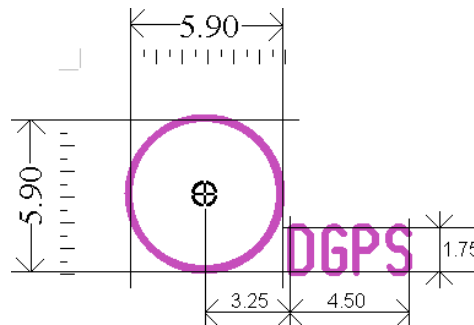
S57	INT 1	
LNDMRK	E 2, 10.4, 30.4	<div>(E 10.4)</div> <div>  Cup  Cup </div> <div>(E 30.4)</div> <div>  Radome </div>

Symbol Name:

**SY(DRFSTA01)**

RN: 587

Symbol Explanation: DGPS reference station

Look up table affected: paper chart point symbols  
simplified point symbolsPivot Point Column: 3.00  
Pivot Point Row: 3.00Width 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)

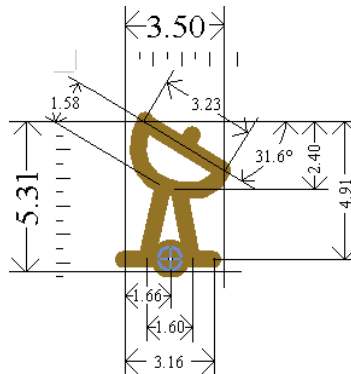
Symbol Name:	<b>SY(DSHAER01)</b>	RN: 113
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Symbol Explanation: dish aerial

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 0.3 mm; circle diameter 0.8 mm

Examples on ENC: N/A

#### References:

S57	INT 1		
LNDMRK	E 31	⚓	

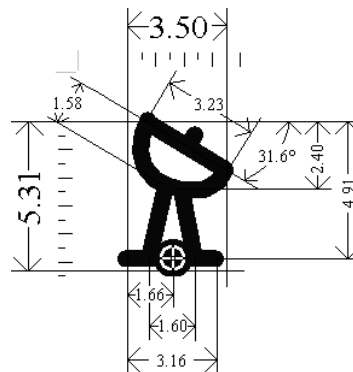
Symbol Name:	<b>SY(DSHAER11)</b>	RN: 114
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Symbol Explanation: conspicuous dish aerial

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	S	

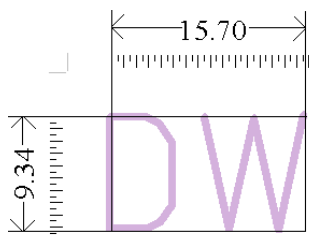
Symbol Name:	SY(DWRTPT51)	RN: 115
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
Symbol Explanation: part of deep water route

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:

SY(**DWRUTE51**)

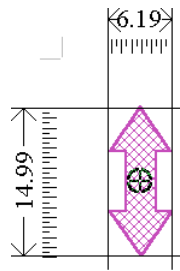
RN: 522

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:	<b>SY(EBBSTR01)</b>	RN: 116
--------------	---------------------	---------

Symbol Explanation: ebb stream, rate at spring tides

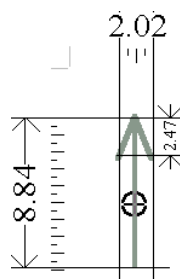
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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:	<b>SY(EBLVRM11)</b>	RN: 117
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Symbol Explanation: point of origin for an offset EBL or VRM

Look up table affected: N/A

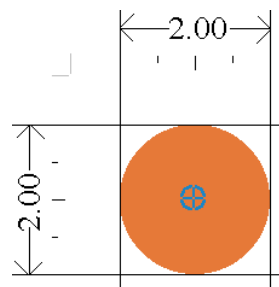
Called by CSP etc.: CSP VRMEBL01

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

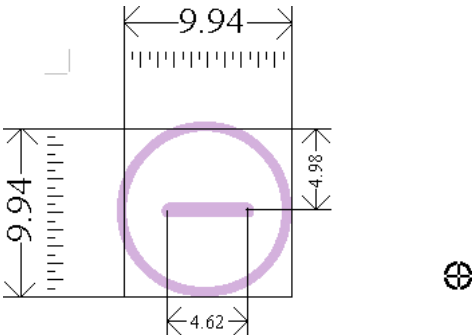
Examples on ENC: N/A


References:

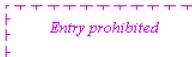
S57	INT 1
-----	-------

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 RESARE04 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

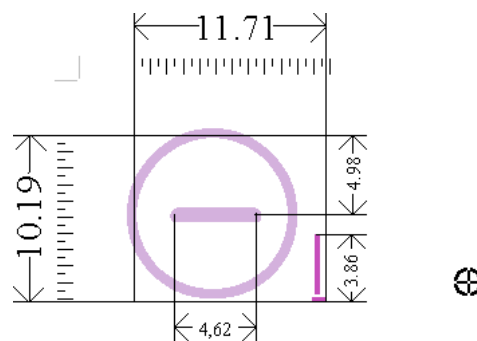
Symbol Explanation: area where entry is prohibited or restricted or to be avoided, with other cautions

Look up table affected: N/A

Called by CSP etc.: CSP RESARE04 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



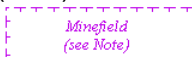
Symbol Colours:



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

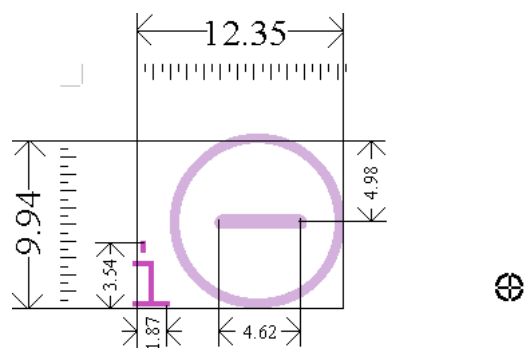
Examples on ENC: N/A

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 RESARE04 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:	<div><div></div> TRFCF</div> <div><div></div> CHMGD</div>
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
	<div>----- Entry prohibited -----</div>



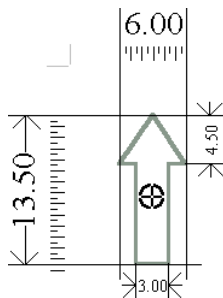
Symbol Name:	SY(FAIRWY51)	RN: 123
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Symbol Explanation: fairway with one-way traffic in direction indicated

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



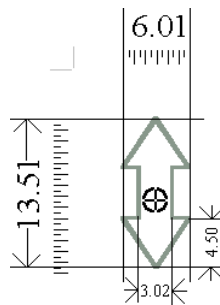
Symbol Name:	<b>SY(FAIRWY52)</b>	RN: 124
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Symbol Explanation: fairway with two-way traffic

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	

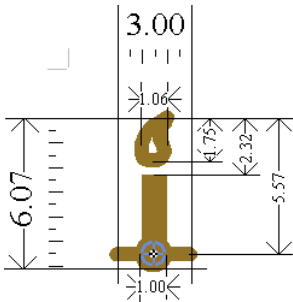
Symbol Name:	SY(FLASTK01)	RN: 125
--------------	--------------	---------


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 0.3mm; circle diameter 1.0 mm

Examples on ENC: N/A

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

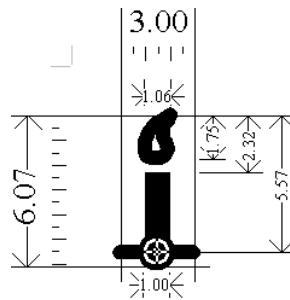
Symbol Name:	<b>SY(FLASTK11)</b>	RN: 126
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Symbol Explanation: conspicuous flare stack

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)  Fla
PRDARE	G 87	

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

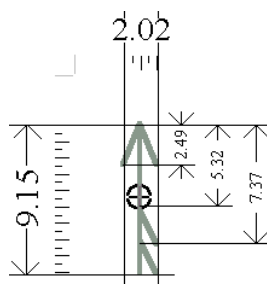
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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	

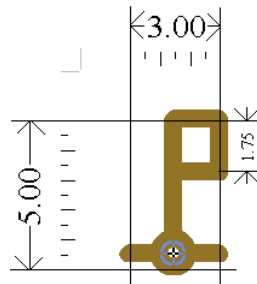
Symbol Name:	<b>SY(FLGSTF01)</b>	RN: 128
--------------	---------------------	---------

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		FS

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

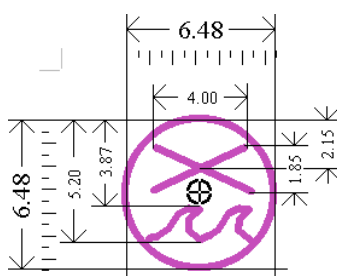
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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:

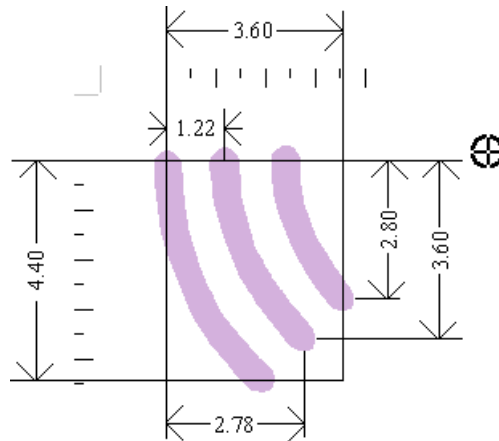
S57	INT 1	
LOGPON	N 61	
OBSTRN	G 178	

Symbol Name:

SY(**FOGSIG01**)

RN: 129

Symbol Explanation: fog signal

Look up table affected: paper chart point symbols  
simplified point symbolsPivot Point Column: 6.50  
Pivot Point Row: -0.10Width of Bounding Box: 3.60  
Height of Bounding Box: 4.40

Symbol Colours:



CHMGF


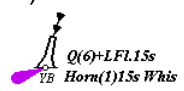
Comments:

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:	<b>SY(FORSTC01)</b>	RN: 130
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Symbol Explanation: fortified structure

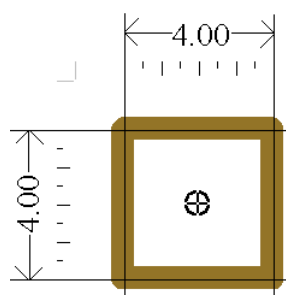
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.3 mm

Examples on ENC: N/A

#### References:

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



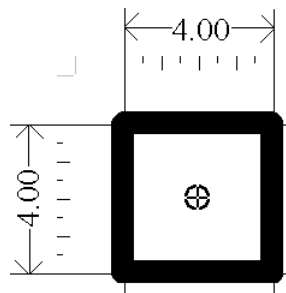
Symbol Name:	<b>SY(FORSTC11)</b>	RN: 131
--------------	---------------------	---------

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:

SY(FOULGND1)

RN: 132

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:

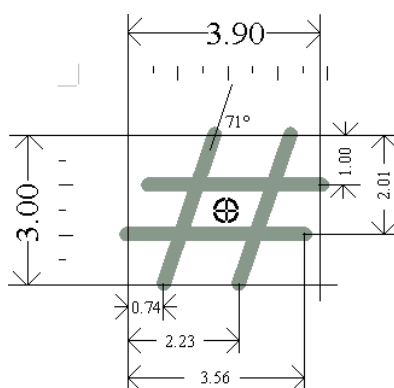
1.54

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;">F o u l</span>

Symbol Name:

SY(**FRYARE51**)

RN: 133

Symbol Explanation: ferry area

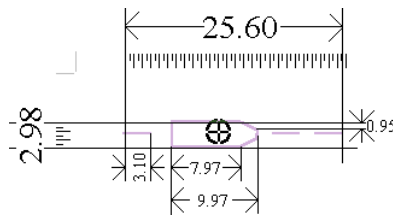
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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	
FRYRT	M 50, 51	(M 50) 

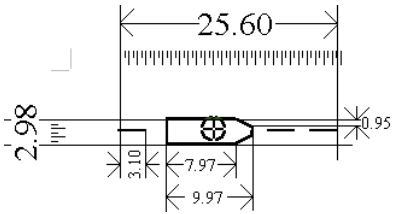
Symbol Name:	SY(FRYARE52)	RN: 134
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Symbol Explanation: cable ferry area

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

Symbol Explanation: fish trap, fish weir, tunny net

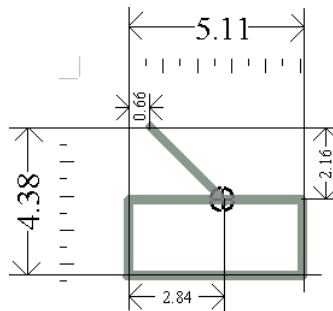
Look up table affected: paper chart point symbols  
simplified point symbols  
area symbols with symbolized boundaries

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) <div style="display: flex; justify-content: space-around;"> <div style="border: 1px dashed black; padding: 2px;">Fish Traps</div> <div style="border: 1px dashed black; padding: 2px;">Tunny Nets</div> </div>

Symbol Name:	<b>SY(FSHFAC03)</b>	RN: 136
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Symbol Explanation: fish stakes

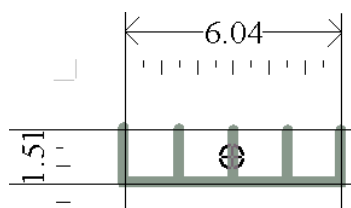
Look up table affected: paper chart point symbols  
simplified point symbols  
area symbols with symbolized boundaries

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)

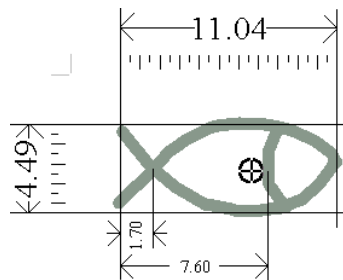
RN: 137

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:	<b>SY(FSHHAV01)</b>	RN: 138
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Symbol Explanation: fish haven

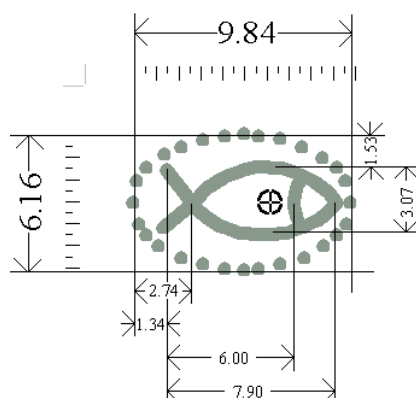
Look up table affected: paper chart point symbols  
simplified point symbols

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

Symbol Explanation: area where fishing or trawling is prohibited or restricted

Look up table affected: N/A

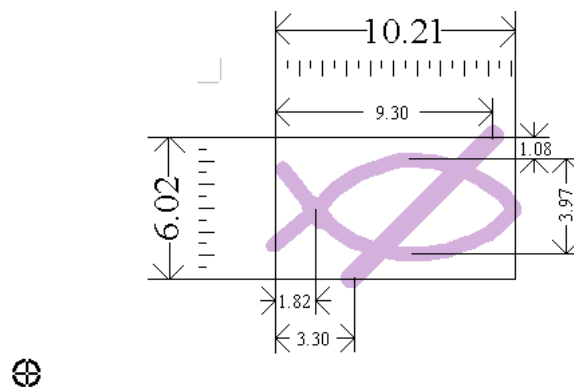
Called by CSP etc.: CSP RESARE04 Continuation C,  
CSP RESCSP02 Continuation C

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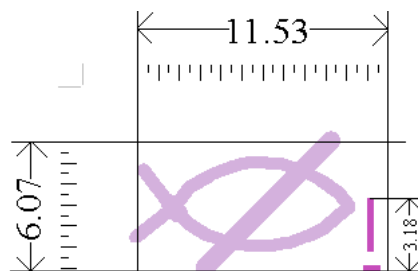
Symbol Explanation: area where fishing or trawling is prohibited or restricted, with other cautions

Look up table affected: N/A

Called by CSP etc.: CSP RESARE04 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:	<b>SY(FSHRES71)</b>	RN: 141
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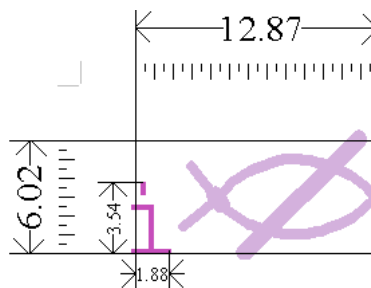
Symbol Explanation: area where fishing or trawling is prohibited or restricted, with other information

Look up table affected: N/A

Called by CSP etc.: CSP RESARE04 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)

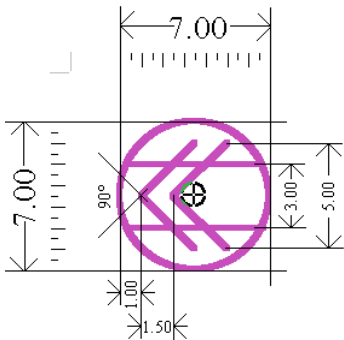
Examples on ENC: N/A


References:

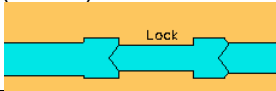
S57	INT 1	
RESARE	N 2.1	

Symbol Name:	SY( <b>GATCON03</b> )	RN: 142
--------------	-----------------------	---------

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:

SY(**GATCON04**)

RN: 143

Symbol Explanation: non-navigable lock gate

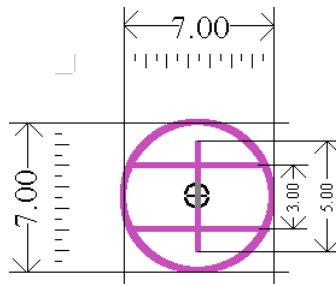
Look up table affected: line symbols  
 paper chart point symbols  
 simplified point symbols

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:	SY(HILTOP01)	RN: 144
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Symbol Explanation: hill or mountain top

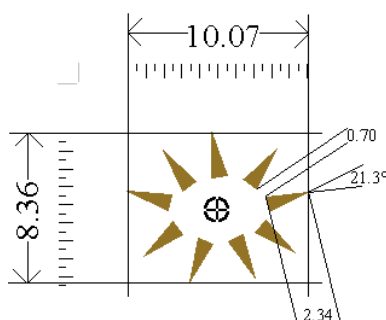
Look up table affected: paper chart point symbols  
simplified point symbols

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

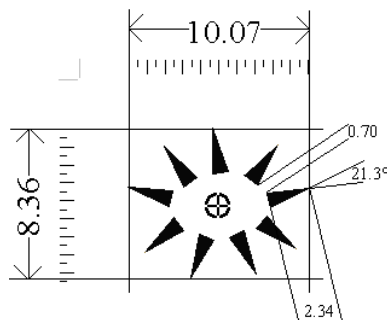
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6 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) 

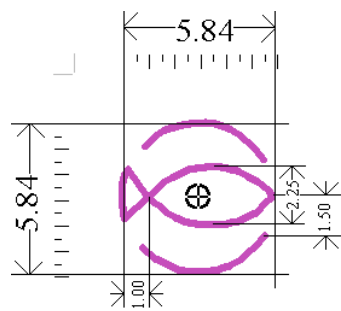
Symbol Name:	SY(HRBFAC09)	RN: 146
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Symbol Explanation: fishing harbour

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	



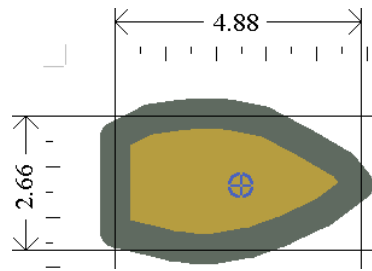
Symbol Name:	<b>SY(HULKES01)</b>	RN: 147
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Symbol Explanation: hulk

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:



Comments: Outline weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
HULKES	F 34	 HULK

Symbol Name:

SY(INFARE51)

RN: 148

Symbol Explanation: area with minor restrictions or information notices

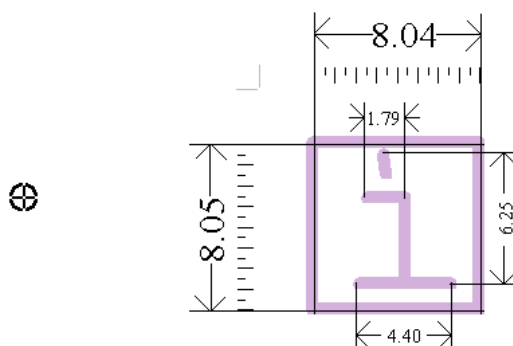
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundariesCalled by CSP etc.: CSP RESARE04,  
CSP RESARE04 Continuation E,  
CSP RESCSP02

Pivot Point Column: -13.96

Pivot Point Row: 2.55

Width of Bounding Box: 8.04

Height of Bounding Box: 8.05



Symbol Colours:

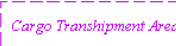
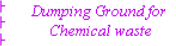

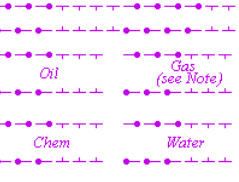



CHMGF

Comments: Line weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
CTSARE	N 64	 Cargo Transhipment 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 Gas (see Note) Chem Water
RESARE	N 22, 26	(N 26)  Historic Wk

Symbol Name:	SY( <b>INDHLT01</b> )	RN: 594
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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:

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

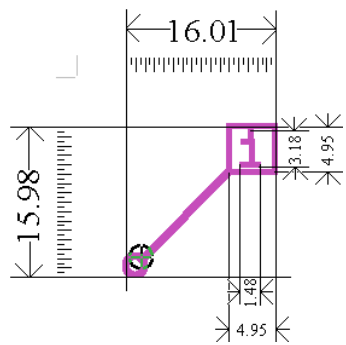
Symbol Name:	SY(INFORM01)	RN: 149
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Symbol Explanation: this object has additional information available by cursor query

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

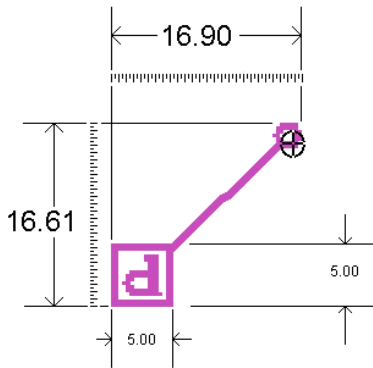
Symbol Name:	SY(CHDATD01)	RN: 591
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Symbol Explanation: This object is a date dependent by attribute DATSTA, DATEND, PERSTA and/or PEREND

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:	
S57	INT 1

Symbol Name:

SY(ISODGR01)

RN: 150

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

Look up table affected: N/A

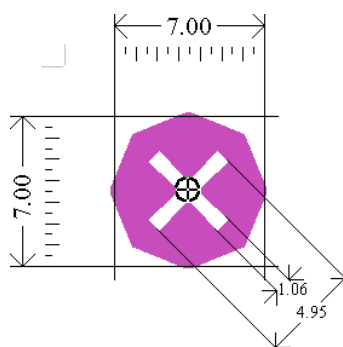
Called by CSP etc.: CSP UDWHAZ05

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) <i>SD</i>
UWTROC	K 11, 13-14.2, 16; O 27	(K 11)   Height datum Chart datum 5 m
WRECKS	K 26-31	(K 26)  (K26) <i>Wk</i> (K27) <i>Wk</i>

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

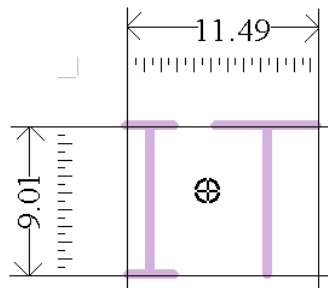
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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

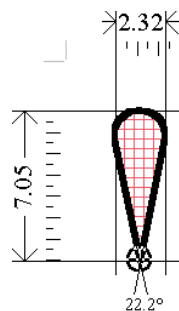
Examples on ENC: N/A

#### 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 LIGHTS06 Continuation A CSP LIGHTS06 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:	<div><div></div>LITRD</div> <div><div></div>OUTLW</div>
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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	<div><div>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</div><div>(P 46) Oc.R.8s 5M R. Intens Oc.R.8s R.9M R.5M</div></div>



Symbol Name:

SY(LIGHTS12)

RN: 153

Symbol Explanation: light flare, green

Look up table affected: N/A

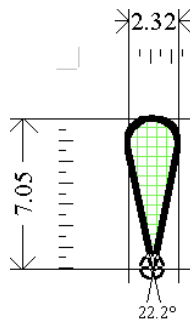
Called by CSP etc.: CSP LIGHTS06 Continuation A  
CSP LIGHTS06 Continuation B

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

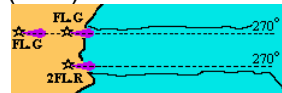


OUTLW

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

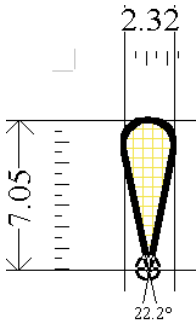
Examples on ENC: N/A

References:

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

Symbol Name:	SY(LIGHTS13)	RN: 154
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Symbol Explanation:	light flare, white or yellow
Look up table affected:	N/A
Called by CSP etc.:	CSP LIGHTS06 Continuation A CSP LIGHTS06 Continuation B
Pivot Point Column:	1.20
Pivot Point Row:	7.05
Width of Bounding Box:	2.32
Height of Bounding Box:	7.05

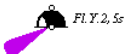


Symbol Colours:	 LITYW
	 OUTLW

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)  Fl.Y.2, 5s

Symbol Name:	SY(LIGHTS81)	RN: 155
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Symbol Explanation: strip light

Look up table affected: N/A

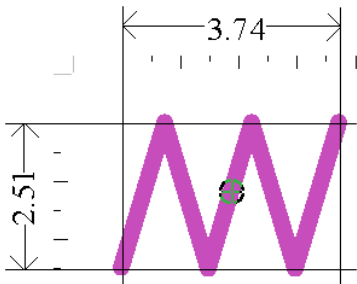
Called by CSP etc.: CSP LIGHTS06

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

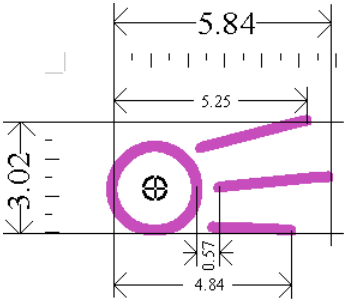
Called by CSP etc.: CSP LIGHTS06

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)
	 (Illuminated)

Symbol Name:

SY(LITDEF11)

RN: 157

Symbol Explanation: light flare

Look up table affected: N/A

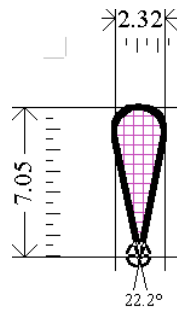
Called by CSP etc.: CSP LIGHTS06 Continuation A  
CSP LIGHTS06 Continuation B

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
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Symbol Explanation: light float, paper-chart

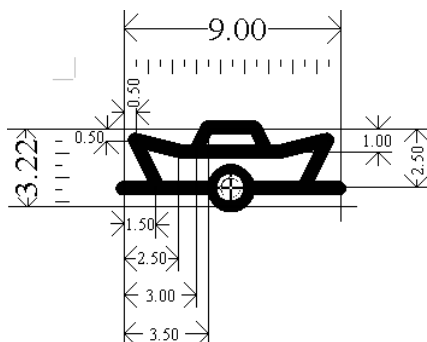
Look up table affected: paper chart point symbols

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	<p>(Q 30)</p>  <p>(Q 31)</p> 

Symbol Name:

SY(LITFLT02)

RN: 159

Symbol Explanation: light float, simplified

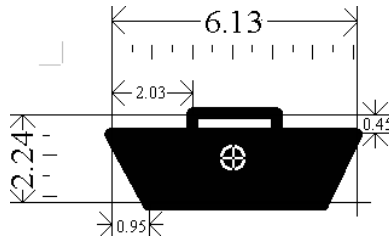
Look up table affected: simplified point symbols

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

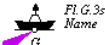
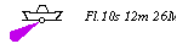
Comments:

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

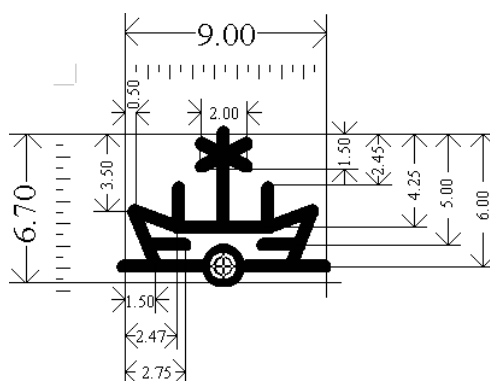
Look up table affected: paper chart point symbols

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		Lt V



Symbol Name:	SY(LITVES02)	RN: 161
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Symbol Explanation: light vessel, simplified

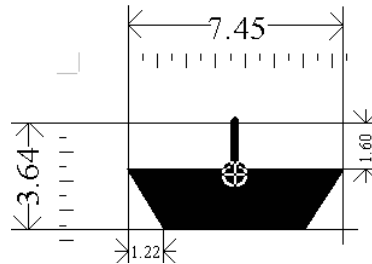
Look up table affected: simplified point symbols

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		<i>Lt V</i>

Symbol Name:	<b>SY(LNDARE01)</b>	RN: 162
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Symbol Explanation: land as a point at small scale

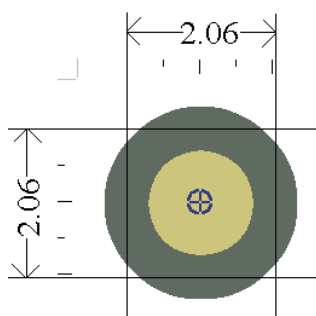
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.03

Pivot Point Row: 1.03

Width of Bounding Box: 2.06

Height of Bounding Box: 2.06



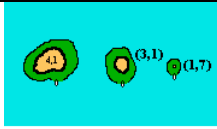

Symbol Colours:



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:	<b>SY(LOCMAG01)</b>	RN: 163
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Symbol Explanation: cursor pick site for a magnetic anomaly at a point or along a line

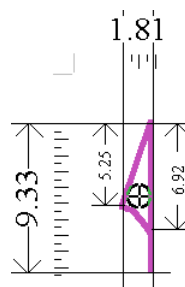
Look up table affected: line symbols  
paper chart point symbols  
simplified point symbols

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)

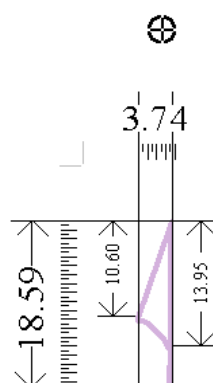
Symbol Name:	<b>SY(LOCMAG51)</b>	RN: 164
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Symbol Explanation: cursor pick site for a magnetic anomaly over an area

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(**LOWACC01**)

RN: 165

Symbol Explanation: point feature or area of low accuracy

Look up table affected: N/A

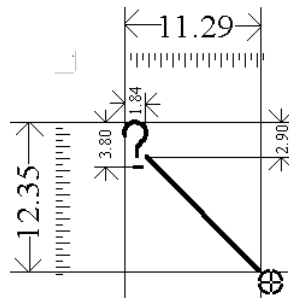
Called by CSP etc.: CSP QUAPNT02,  
CSP LOWACC01

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

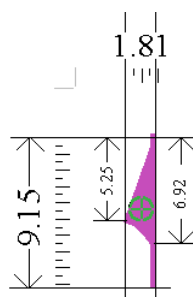
Look up table affected: paper chart point symbols  
simplified point symbols

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

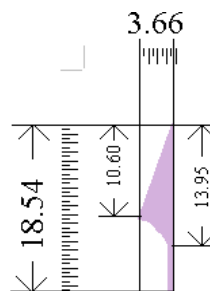
Symbol Name:	<b>SY(MAGVAR51)</b>	RN: 167
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Symbol Explanation: cursor pick site for magnetic variation along a line or over an area

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

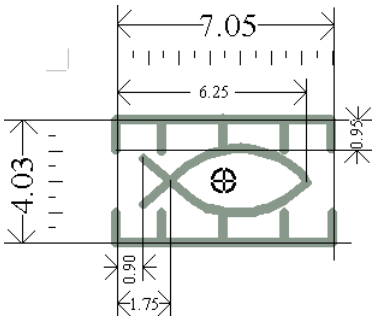
Examples on ENC: N/A


References:



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

Symbol Name:	SY(MARCUL02)	RN: 168
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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)  (see Note) 



Symbol Name:	<b>SY(MONUMT02)</b>	RN: 169
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Symbol Explanation: monument

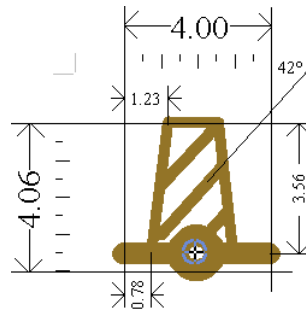
Look up table affected: paper chart point symbols

Pivot Point Column: 1.97

Pivot Point Row: 3.55

Width of Bounding Box: 4.00

Height of Bounding Box: 4.06



Symbol Colours:  LANDF

Comments: Line weight 0.3 mm; cross bar line weight 0.6 mm  
Circle line weight 0.3mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 24; G 66	(E 24)
		<div style="display: flex; align-items: center;"> <div style="margin-left: 10px;">Mon</div> </div>

Symbol Name:	<b>SY(MONUMT12)</b>	RN: 170
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Symbol Explanation: conspicuous monument

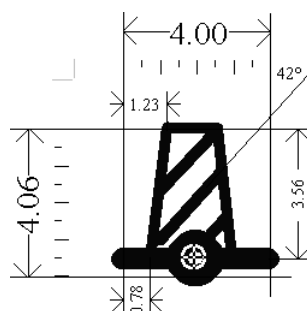
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6mm; cross bar line weight 0.6 mm  
Circle line weight 0.3mm; circle diameter 1.0 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
LNDMRK	E 2, 24; G 66	(E 24)
		<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Mon</span> </div>

Symbol Name:

SY(**MORFAC03**)

RN: 171

Symbol Explanation: mooring dolphin

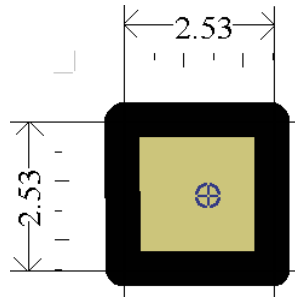
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.44

Pivot Point Row: 1.29

Width of Bounding Box: 2.53

Height of Bounding Box: 2.53



Symbol Colours:





LANDA

CHBLK

Comments: Outline weight 0.6 mm

Examples on ENC: N/A

References:

S57	INT 1	
MORFAC	F 20	 "Dn  Dns
SLCONS	G 171	

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

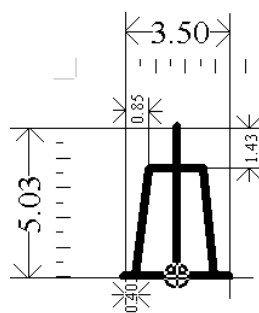
Look up table affected: paper chart point symbols  
simplified point symbols

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:

SY(**MSTCON04**)

RN: 173

Symbol Explanation: mast

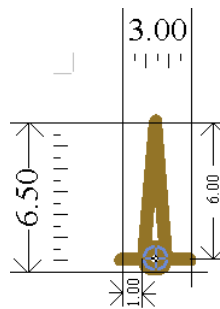
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.3mm; 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) 

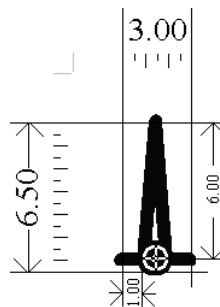
Symbol Name:	<b>SY(MSTCON14)</b>	RN: 174
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Symbol Explanation: conspicuous mast

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)  Radar mast

Symbol Name:	SY( <b>NEWOBJ01</b> )	RN: 585
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Symbol Explanation: new object

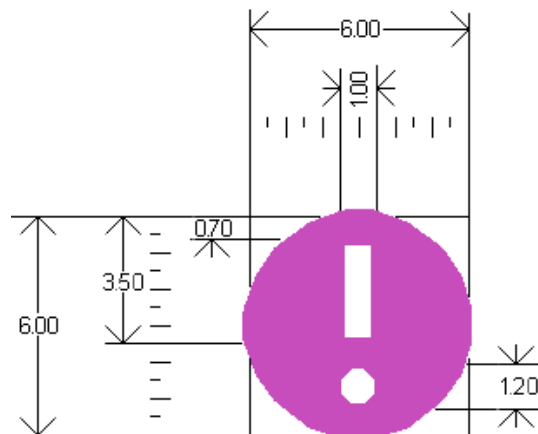
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

Pivot Point Column: 3.00

Pivot Point Row: 3.00

Width of Bounding Box: 6.00

Height of Bounding Box: 6.00



Symbol Colours:  CHMGD

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
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Symbol Explanation: north arrow

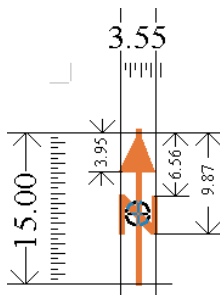
Look up table affected: N/A


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

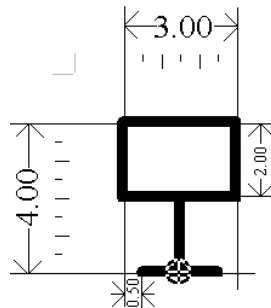
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6mm

Examples on ENC:

N/A

References:

S57	INT 1	
BCNSPP	Q 126	☐

Symbol Name:	SY(OBSTRN01)	RN: 177
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Symbol Explanation                    obstruction, depth not stated

Look up table affected:                N/A

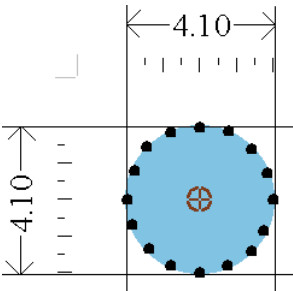
Called by CSP etc.:                    CSP OBSTRN07 Continuation A

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 <div style="display: flex; align-items: center; justify-content: center;"><div style="width: 20px; height: 10px; background-color: blue; margin-right: 10px;"></div><div style="width: 10px; height: 10px; background-color: black; border-radius: 50%; margin-right: 10px;"></div><div style="width: 10px; height: 10px; background-color: blue; border-radius: 50%;"></div></div>

Symbol Name:

**SY(OBSTRN02)**

RN: 178

Symbol Explanation: obstruction in the intertidal area

Look up table affected: N/A

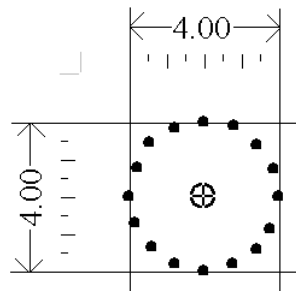
Called by CSP etc.: Earlier version of CSP OBSTRN

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
-----	-------

Symbol Name:	SY(OBSTRN03)	RN: 526
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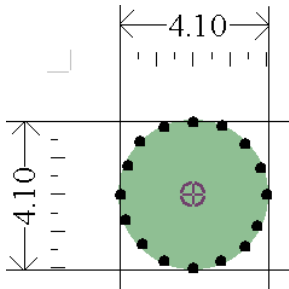
Symbol Explanation: obstruction which covers and uncovers

Look up table affected: N/A

Called by CSP etc.: CSP OBSTRN07 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

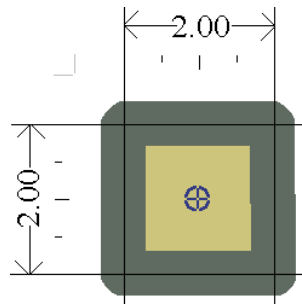
Called by CSP etc.: CSP OBSTRN07 Continuation A

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:	<b>SY(OFSPLF01)</b>	RN: 180
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Symbol Explanation: offshore platform

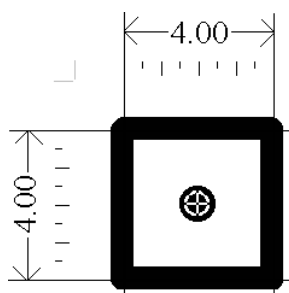
Look up table affected: paper chart point symbols  
simplified point symbols

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)
		 Z.44

Symbol Name:

SY(PILBOP02)

RN: 187

Symbol Explanation: pilot boarding place

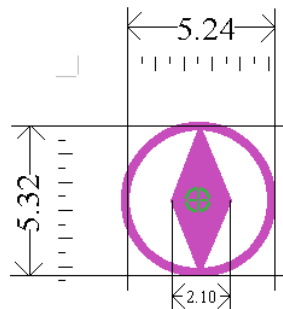
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

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

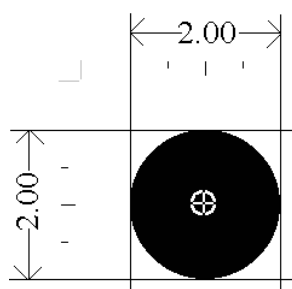
Examples on ENC: N/A

References:

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

Symbol Name:	<b>SY(PILPNT02)</b>	RN: 188
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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:	<span style="display: inline-block; width: 15px; height: 15px; background-color: black; vertical-align: middle;"></span> 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:	<b>SY(POSGEN01)</b>	RN: 193
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Symbol Explanation: position of a point feature

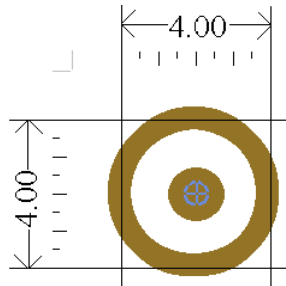
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.3mm; 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

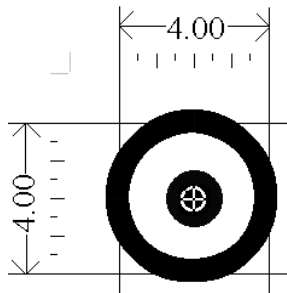
Symbol Name:	SY(POSGEN03)	RN: 194
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Symbol Explanation: position of a conspicuous point feature

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	A diagram showing the symbol used for pylons in a specific context. It features a horizontal line with two small circles on it, each labeled 'Pyl'. Below the line, there is a dimension '20' with a double slash on either side. The entire diagram is set against a yellow background.

Symbol Name:

SY(**POSGEN04**)

RN: 195

Symbol Explanation: position of an elevation or control point

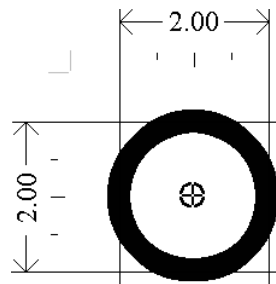
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

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) 
LNDGRN	C 33; G 3-12, 20, 21, 23, 26, 29-33, 35, 36	

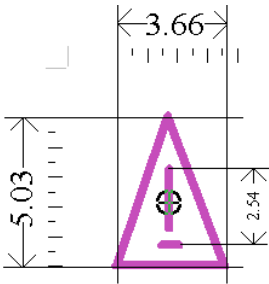
Symbol Name:	SY( <b>PRCARE12</b> )	RN: 197
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Symbol Explanation: point symbol for traffic precautionary area

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>

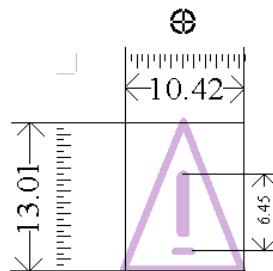
Symbol Name:	<b>SY(PRCARE51)</b>	RN: 198
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Symbol Explanation: traffic precautionary area

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

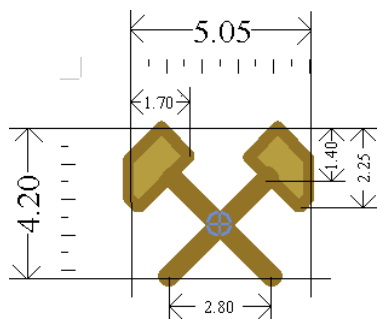
Symbol Name:	SY(PRDINS02)	RN: 199
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Symbol Explanation: mine, quarry

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

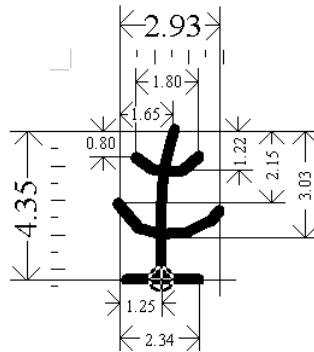
Look up table affected: paper chart point symbols

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:	<b>SY(PRICKE04)</b>	RN: 201
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Symbol Explanation: withy, starboard-hand, paper-chart

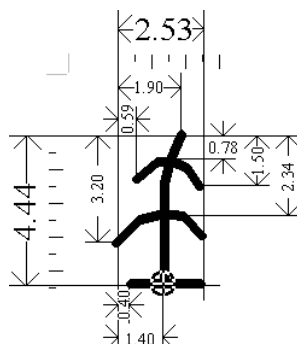
Look up table affected: paper chart point symbols

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	



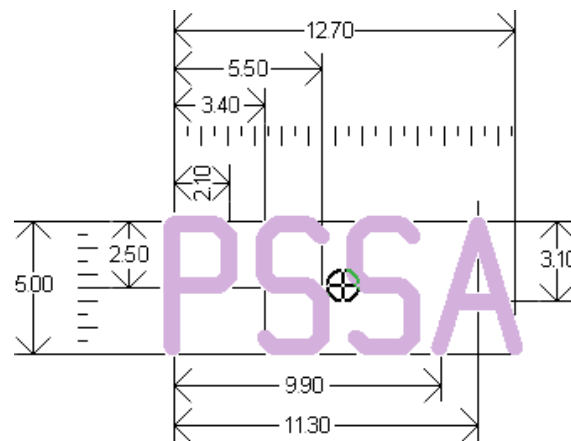
Symbol Name:	<b>SY(PSSARE01)</b>	RN: 519
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Symbol Explanation: PSSA - centred symbol

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

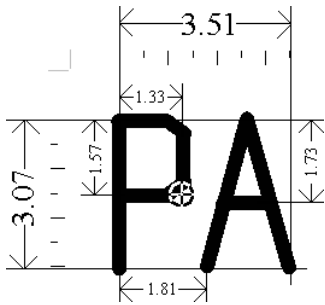
Examples on ENC: N/A


#### References:

S57 E.3.1.1	INT 1	
RESARE, CATREA 28	N22	<div style="background-color: #FFC0CB; padding: 2px; display: inline-block;">PSSA</div> <div style="background-color: #FFC0CB; 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

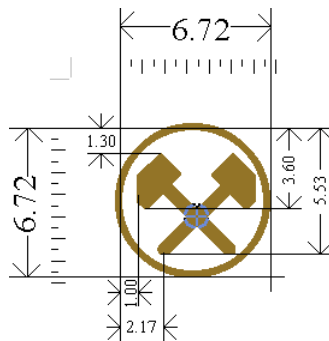
Symbol Name:	<b>SY(QUARRY01)</b>	RN: 203
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Symbol Explanation: quarry

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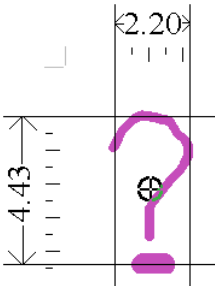
Symbol Explanation: object which is not sufficiently described to be symbolized, or for which no symbol exists in the symbol library

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

Called by CSP etc.: CSP LIGHTS06 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

Symbol Explanation: symbol indicating this object is radar conspicuous

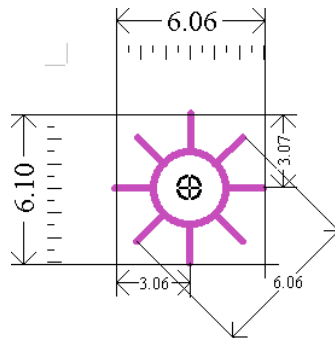
Look up table affected: line symbols

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	

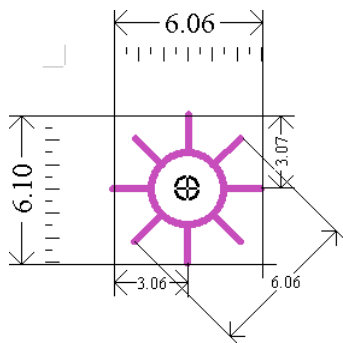
Symbol Name:	SY(RADRFL03)	RN: 206
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Symbol Explanation: radar reflector

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	

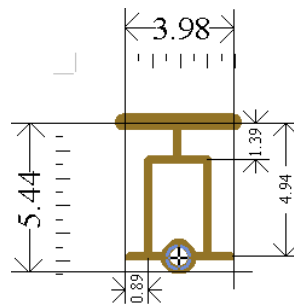
Symbol Name:	<b>SY(RASCAN01)</b>	RN: 207
--------------	---------------------	---------

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 0.3mm  
Circle diameter 1.0 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
LNDMRK	E 30.3	 Radar Sc

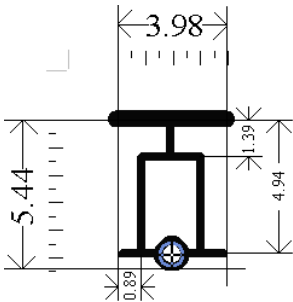
Symbol Name:	SY(RASCAN11)	RN: 208
--------------	--------------	---------

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 0.6mm; 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) <div style="background-color: yellow; padding: 5px; display: inline-block;"> Radar Sc</div>



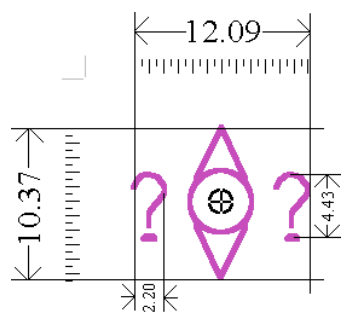
Symbol Name:	SY(RCLDEF01)	RN: 209
--------------	--------------	---------

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:  CHMGD

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:

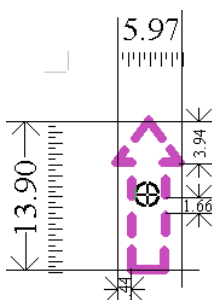
6.94

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

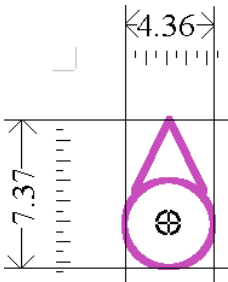
Symbol Name:	SY(RDOCAL02)	RN: 211
--------------	--------------	---------

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	

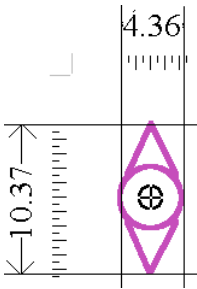
Symbol Name:	SY(RDOCAL03)	RN: 212
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Symbol Explanation: radio calling-in point for traffic in both directions

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

Symbol Explanation: radio station

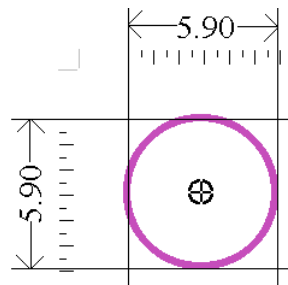
Look up table affected: paper chart point symbols  
simplified point symbols

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

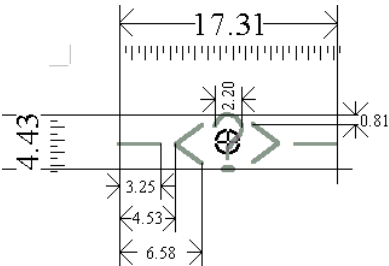
Symbol Name:	SY(RECDEF51)	RN: 214
--------------	--------------	---------

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) ————— < 7,3 m > ————— ----- < 7,3 m > -----

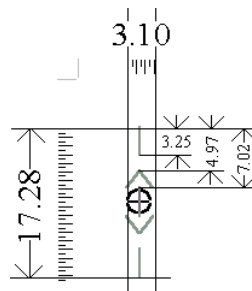
Symbol Name:	<b>SY(RECTRC55)</b>	RN: 215
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Symbol Explanation: recommended two-way track as an area, not based on fixed marks

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)
		<p>---&lt;---&gt;---<sup>090,5°-270,5°</sup>---</p> <p>-----&lt;---&gt;-----</p>

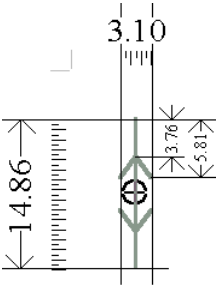
Symbol Name:	SY(RECTRC56)	RN: 216
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Symbol Explanation: recommended two-way track as an area, based on fixed marks

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 Bns <math>\neq</math> 090,5°;270,5°</u>



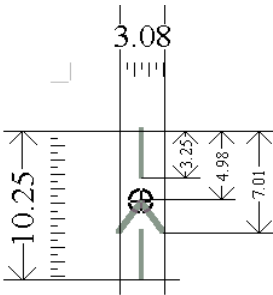
Symbol Name:	SY(RECTRC57)	RN: 217
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Symbol Explanation: recommended one-way track as an area, not based on fixed marks

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	

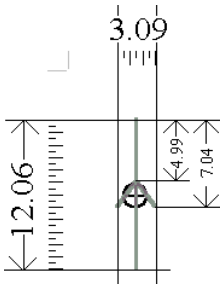
Symbol Name:	SY(RECTRC58)	RN: 218
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Symbol Explanation: recommended one-way track as an area, based on fixed marks

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:	<b>SY(RETRFL01)</b>	RN: 220
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Symbol Explanation: retro reflector, paper chart

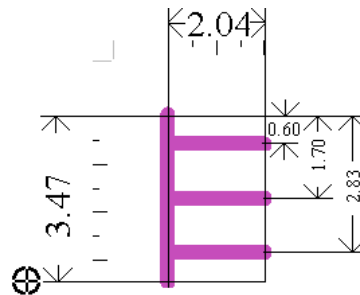
Look up table affected: paper chart point symbols

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

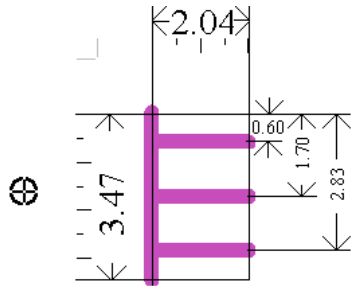
Look up table affected: simplified point symbols

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

Symbol Explanation: refinery

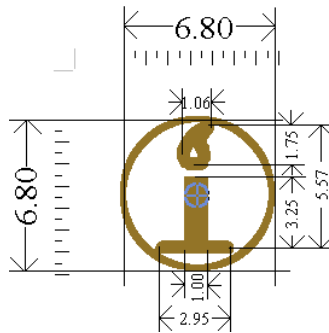
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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 0.3 mm  
Vertical bar line weight 0.9 mm

Examples on ENC:

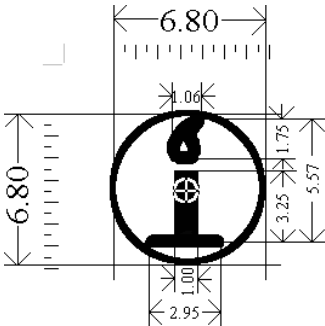
N/A

References:

S57	INT 1
PRDARE	G 87

Symbol Name:	SY(RFNERY11)	RN: 223
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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:	<div></div> CHBLK
Comments:	Circle line weight 0.6 mm; circle diameter 7.4 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:	<b>SY(ROLROL01)</b>	RN: 224
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Symbol Explanation: RoRo terminal

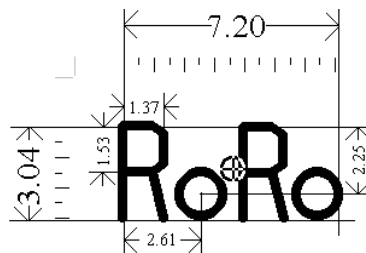
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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

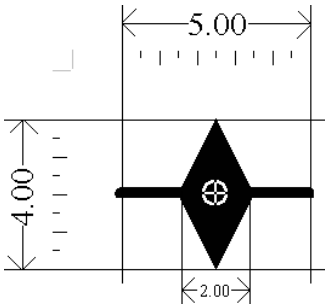
Symbol Name:	SY(RSCSTA02)	RN: 225
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Symbol Explanation: rescue station

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(**RSRDEF51**)

RN: 226

Symbol Explanation: area in which undefined restrictions exist

Look up table affected: N/A

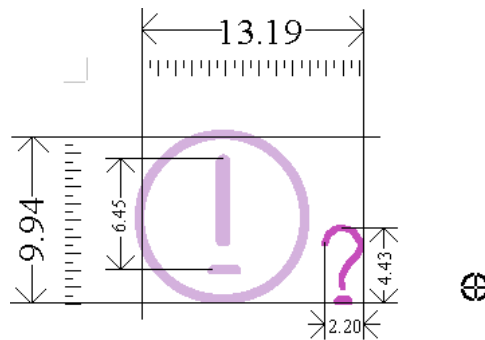
Called by CSP etc.: CSP RESARE04,  
CSP RESARE04 Continuation E,  
CSP RESCSP02

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

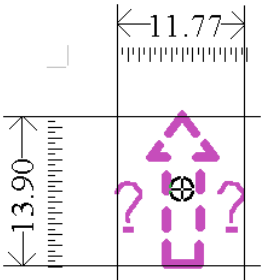
Symbol Name:	SY(RTLDEF51)	RN: 227
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Symbol Explanation: recommended route between parts of a traffic separation scheme, or for ships not needing a deep water route, with the direction not specified in the data

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:	<b>SY(RTPBCN02)</b>	RN: 228
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Symbol Explanation: radar transponder beacon

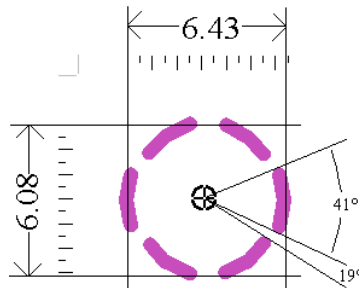
Look up table affected: paper chart point symbols  
simplified point symbols

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

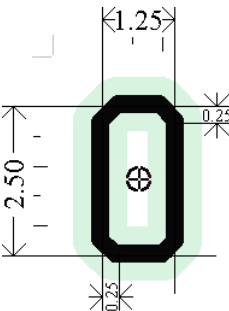
Examples on ENC: N/A

#### References:

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

Symbol Name:	SY(SAFCON00)	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



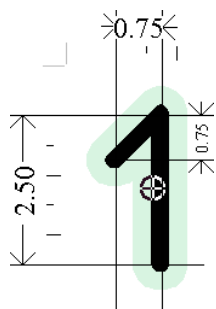
Symbol Colours:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

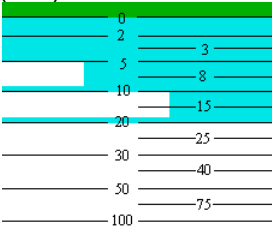


Symbol Colours:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

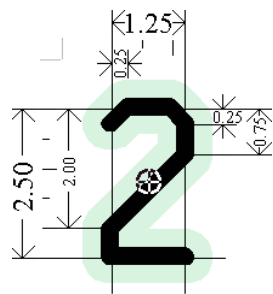
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON02)	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

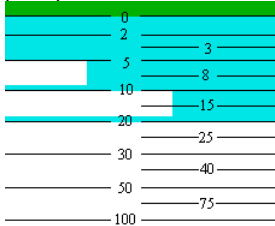


Symbol Colours:	 DEPDW
	 SNDG2

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

Symbol Explanation: contour label

Look up table affected: N/A

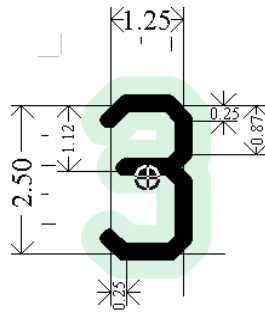
Called by CSP etc.: CSP SAFCON01

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

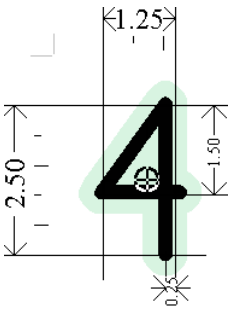
Examples on ENC N/A


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

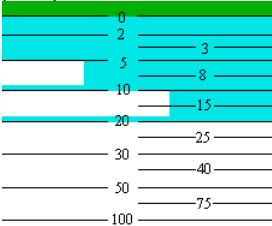


Symbol Colours:	 DEPDW
	 SNDG2

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:	SY(SAFCON05)	RN: 533
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Symbol Explanation: contour label

Look up table affected: N/A

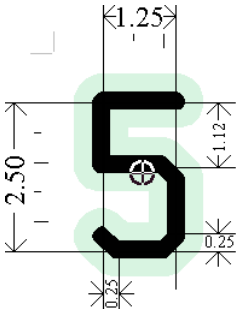
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: 0.69

Pivot Point Row: 1.20

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:

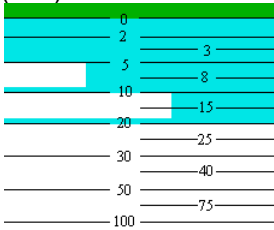
DEPDW

SNDG2

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

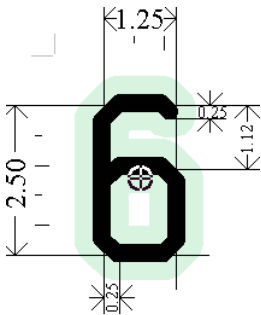
Examples on ENC N/A

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

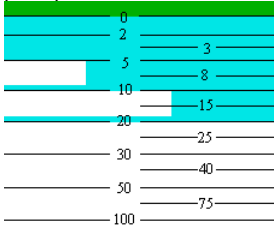


Symbol Colours:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(SAFCON07)

RN: 535

Symbol Explanation : contour label

Look up table affected: N/A

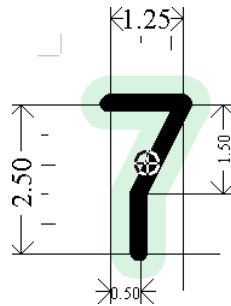
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: 0.65

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours :



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

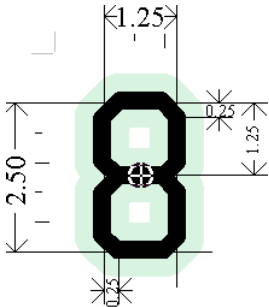
Examples on ENC N/A

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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(SAFCON09)

RN: 537

Symbol Explanation : contour label

Look up table affected: N/A

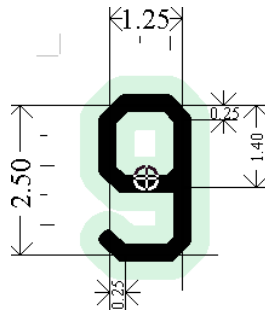
Called by CSP etc.: CSP SAFCON01

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

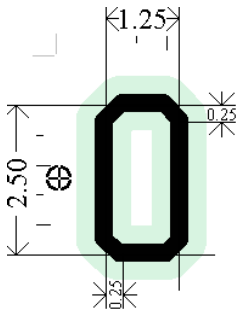
Examples on ENC N/A

References:

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

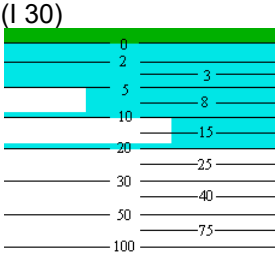
Symbol Name:	SY(SAFCON10)	RN: 538
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Symbol Explanation :	contour label
Look up table affected:	N/A
Called by CSP etc.:	CSP SAFCON01
Pivot Point Column:	-0.75
Pivot Point Row:	1.25
Width of Bounding Box:	1.25
Height of Bounding Box:	2.50



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
	
DRGARE	not specified

Symbol Name:	SY(SAFCON11)	RN: 539
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Symbol Explanation: contour label

Look up table affected: N/A

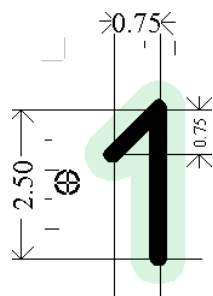
Called by CSP etc.: CSP SAFCON01

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

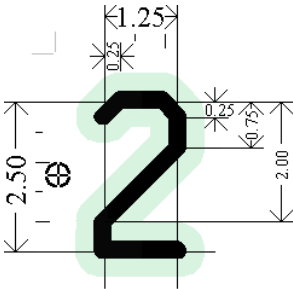
Examples on ENC N/A

References:

S57	INT 1	
DEPARE	not specified	
DEPCNT	I 30, 31	(I 30)  0 2 3 5 8 10 15 20 25 30 40 50 75 100
DRGARE	not specified	

Symbol Name:	SY(SAFCON12)	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

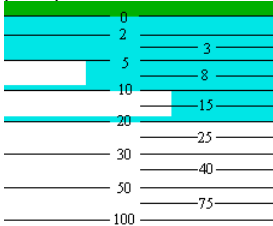


Symbol Colours:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

Symbol Explanation : contour label

Look up table affected: N/A

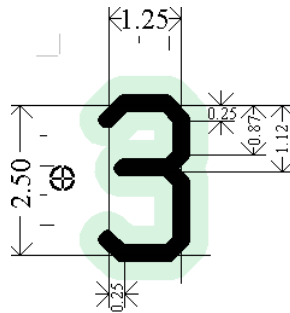
Called by CSP etc.: CSP SAFCON01

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

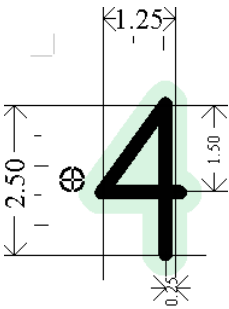
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON14)	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

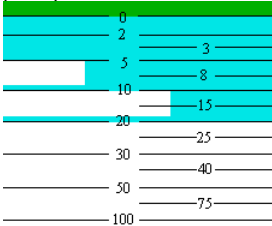


Symbol Colours :	 DEPDW
	 SNDG2

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:

SY(SAFCON15)

RN: 543

Symbol Explanation : contour label

Look up table affected: N/A

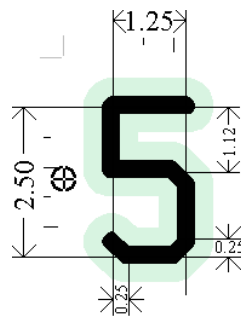
Called by CSP etc.: CSP SAFCON01

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

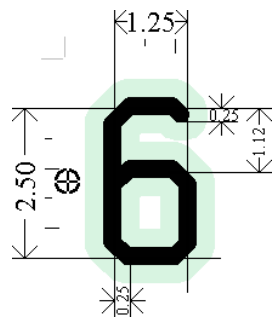
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON16)	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

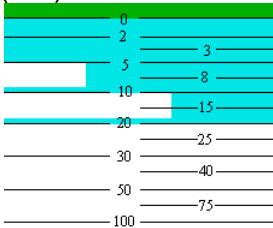


Symbol Colours:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(SAFCON17)	RN: 545
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Symbol Explanation : contour label

Look up table affected: N/A

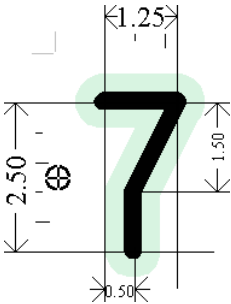
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: -0.75

Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



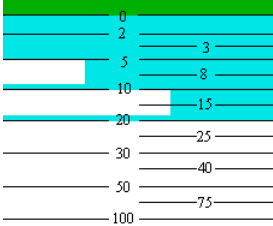
Symbol Colours :  DEPDW

SNDG2

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

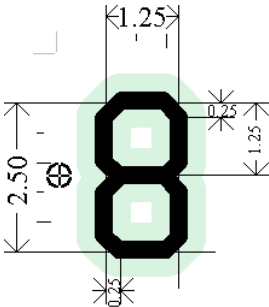
Examples on ENC N/A

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 :	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(SAFCON19)**

RN: 547

Symbol Explanation : contour label

Look up table affected: N/A

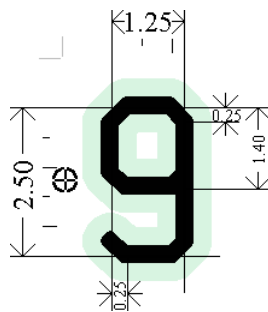
Called by CSP etc.: CSP SAFCON01

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

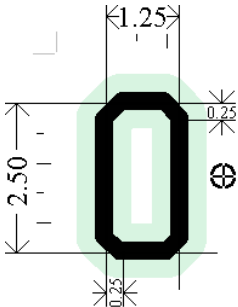
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON20)	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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

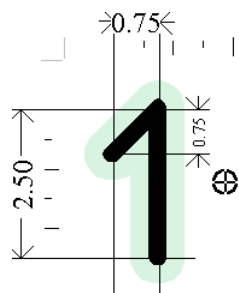
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: 1.80

Pivot Point Row: 1.24

Width of Bounding Box: 0.75

Height of Bounding Box: 2.50



Symbol Colours:

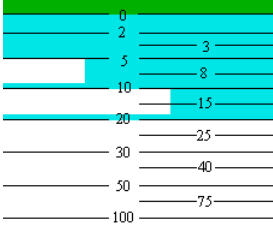
DEPDW

SNDG2

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

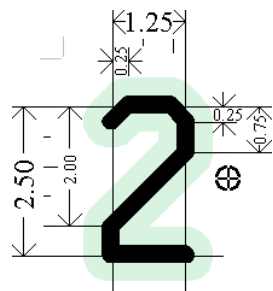
Examples on ENC N/A

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

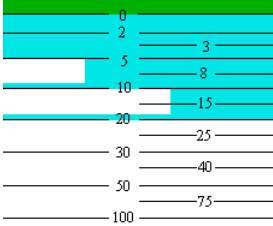


Symbol Colours :	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

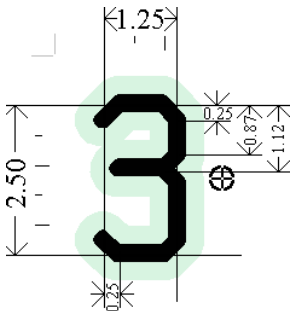
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: 2.00

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



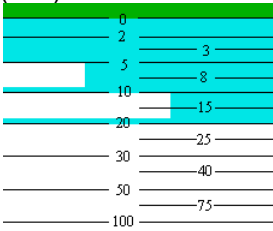
Symbol Colours :  DEPDW

SNDG2

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

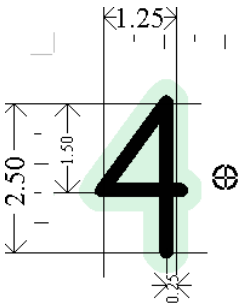
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON24)	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

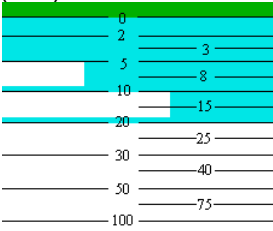


Symbol Colours:	<div style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></div> DEPDW
	<div style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black; margin-right: 5px;"></div> 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(**SAFCON25**)

RN: 553

Symbol Explanation : contour label

Look up table affected: N/A

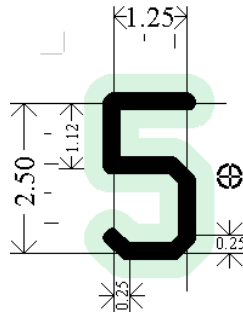
Called by CSP etc.: CSP SAFCON01

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

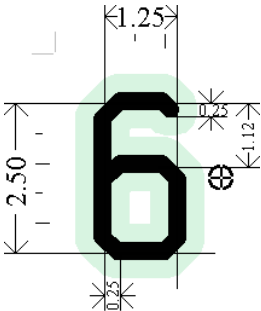
Examples on ENC N/A

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 :	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(SAFCON27)

RN: 555

Symbol Explanation : contour label

Look up table affected: N/A

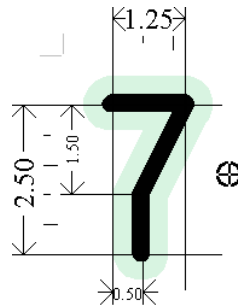
Called by CSP etc.: CSP SAFCON01

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

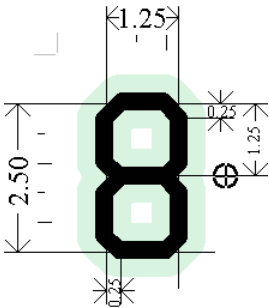
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON28)	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

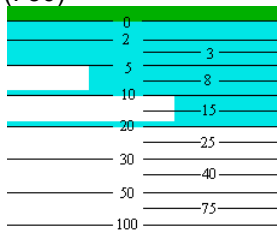


Symbol Colours:	 DEPDW
	 SNDG2

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:	SY(SAFCON29)	RN: 557
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Symbol Explanation : contour label

Look up table affected: N/A

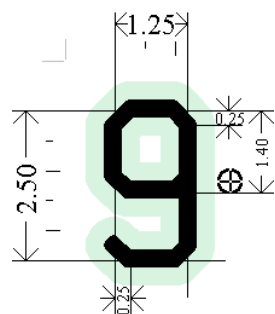
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: 1.96

Pivot Point Row: 1.21

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



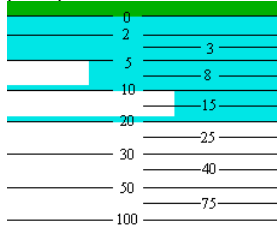
Symbol Colours :  DEPDW

SNDG2

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

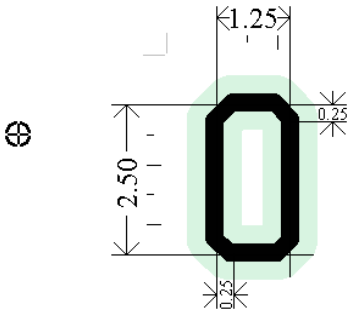
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON50)	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 :	<div></div> DEPDW
	<div></div> SNDG2

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

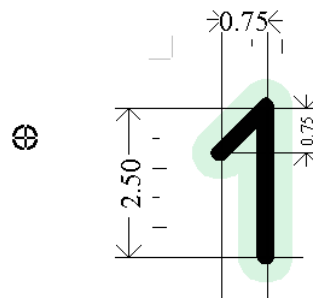
Examples on ENC N/A

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

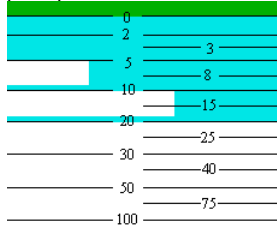


Symbol Colours:	 DEPDW
	 SNDG2

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

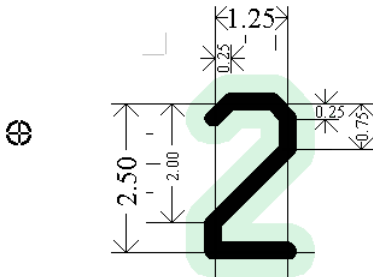
Examples on ENC N/A

#### References:

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

Symbol Name:	SY(SAFCON52)	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

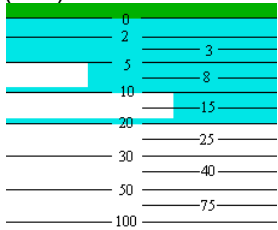


Symbol Colours:	 DEPDW
	 SNDG2

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: **SY(SAFCON53)**

RN: 561

Symbol Explanation : contour label

Look up table affected: N/A

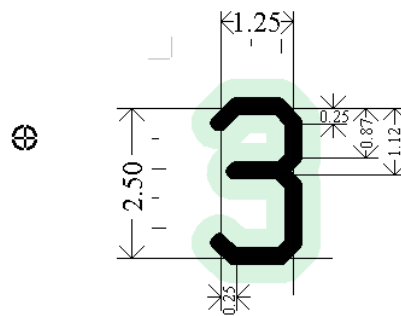
Called by CSP etc.: CSP SAFCON01

Pivot Point Column: -3.25

Pivot Point Row: 0.50

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours :



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

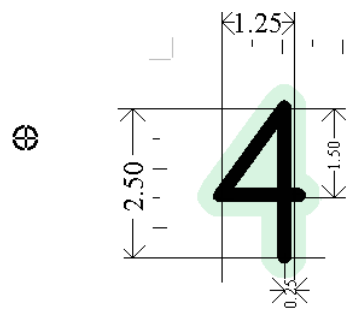
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON54)	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 :	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(SAFCON55)**

RN: 563

Symbol Explanation : contour label

Look up table affected: N/A

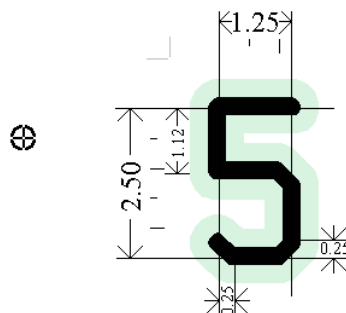
Called by CSP etc.: CSP SAFCON01

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

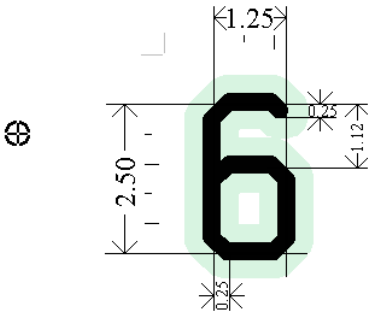
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON56)	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 :	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

Examples on ENC N/A

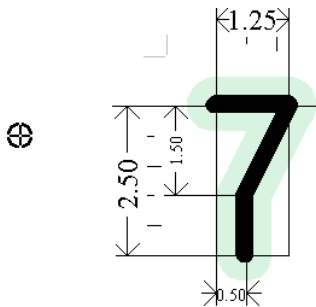
References:

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



Symbol Name:	SY(SAFCON57)	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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

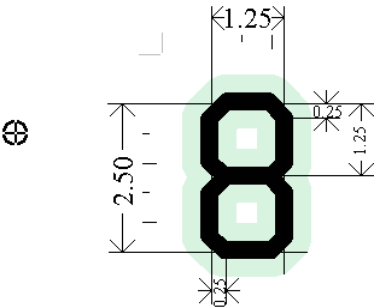
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON58)	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

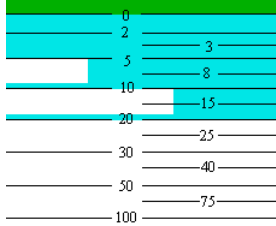


Symbol Colours:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(**SAFCON59**)

RN: 567

Symbol Explanation: contour label

Look up table affected: N/A

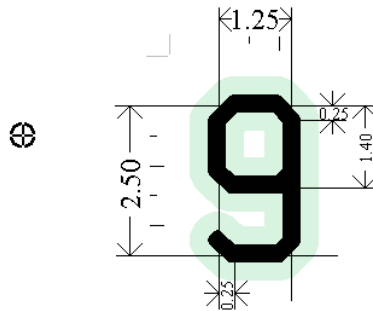
Called by CSP etc.: CSP SAFCON01

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

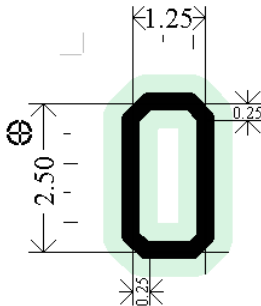
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON60)	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

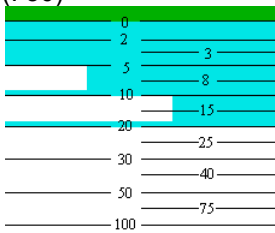


Symbol Colours:	 DEPDW
	 SNDG2

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

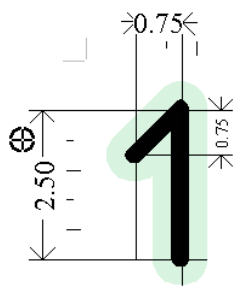
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON61)	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:	<div></div> DEPDW
	<div></div> SNDG2

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

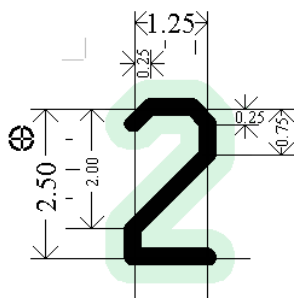
Examples on ENC N/A


References:

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

Symbol Name:	SY(SAFCON62)	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

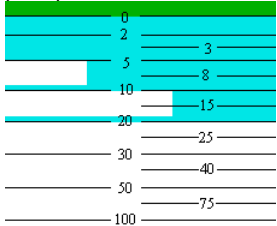


Symbol Colours:	 DEPDW
	 SNDG2

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	I 30, 31	(I 30) 
DRGARE	not specified	

Symbol Name:

SY(SAFCON63)

RN: 571

Symbol Explanation: contour label

Look up table affected: N/A

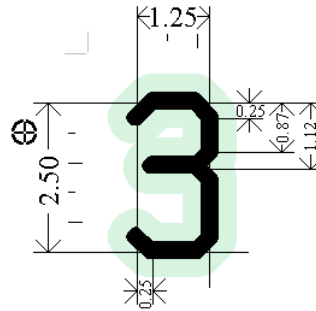
Called by CSP etc.: CSP SAFCON01

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

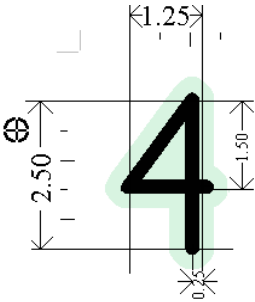
N/A

References:

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

Symbol Name:	SY(SAFCON64)	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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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(**SAFCON65**)

RN: 573

Symbol Explanation: contour label

Look up table affected: N/A

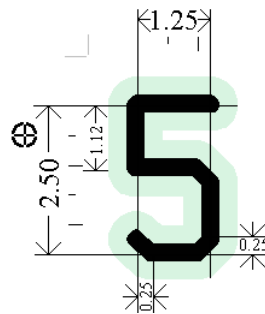
Called by CSP etc.: CSP SAFCON01

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

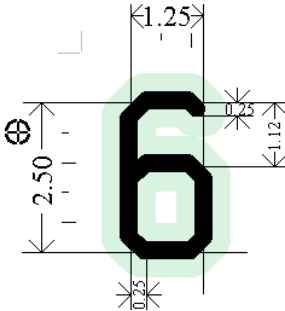
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON66)	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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

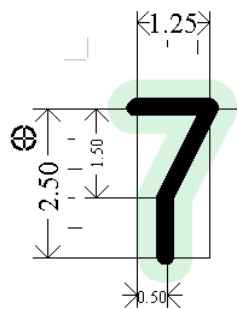
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON67)	RN: 575
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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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

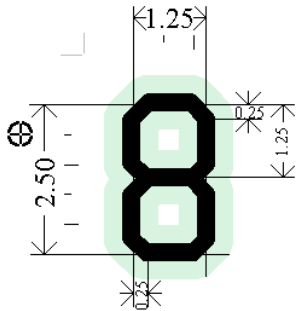
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON68)	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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

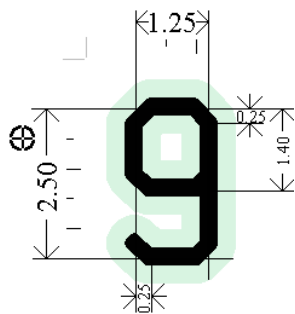
Examples on ENC N/A

References:

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

Symbol Name:	SY(SAFCON69)	RN: 577
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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:	<div><div></div>DEPDW</div>
	<div><div></div>SNDG2</div>

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

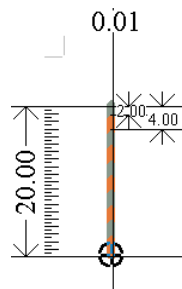
Examples on ENC N/A

References:

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

Symbol Name:	SY(SCALEB10)	RN: 229
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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:	<div><div></div>SCLBR</div> <div><div></div>CHGRD</div>
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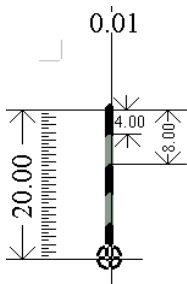
Comments:	Line weight 1.2 mm See PresLib section 8.5.3 for instructions on scaling the scale bars.
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Examples on ENC:	N/A
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References:	
S57	INT 1

Symbol Name:	SY(SCALEB11)	RN: 230
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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:	 SNDG2
	 SNDG1

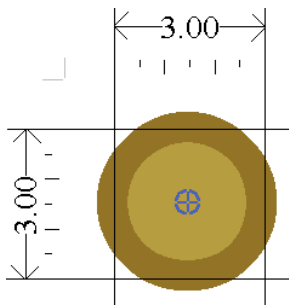
Comments:	Line weight 1.2 mm See PresLib section 8.5.3 for instructions on scaling the scale bars.
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Examples on ENC:	N/A
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References:	
S57	INT 1

Symbol Name:	SY(SILBUI01)	RN: 231
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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:	<div></div> LANDF
	<div></div> CHBRN

Comments: Outline weight 0.3mm; circle diameter 3.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
SILTNK	E 33	<div><div></div> Silo      <div></div> Silo</div>



Symbol Name:

SY(SILBUI11)

RN: 232

Symbol Explanation: conspicuous silo

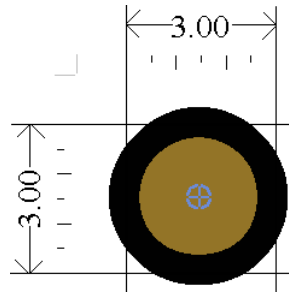
Look up table affected: paper chart point symbols  
simplified point symbols

Pivot Point Column: 1.50

Pivot Point Row: 1.50

Width of Bounding Box: 3.00

Height of Bounding Box: 3.00



Symbol Colours:



LANDF

CHBLK

Comments: Outline weight 0.6 mm; circle diameter 3.0 mm

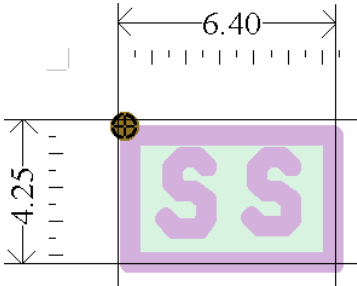
Examples on ENC: N/A

References:

S57	INT 1	
SILTNG	E 2, 33	(E 33)

Symbol Name:	SY(SISTAT02)	RN: 233
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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:	<div>CHWHT</div>
	<div>LANDF</div>
	<div>CHMGF</div>

Comments:	Box outline weight 0.6 mm; point diameter 0.8 mm; Other dimensions like CGUSTA02
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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:

SY(**SMCFAC02**)

RN: 234

Symbol Explanation: yacht harbour, marina

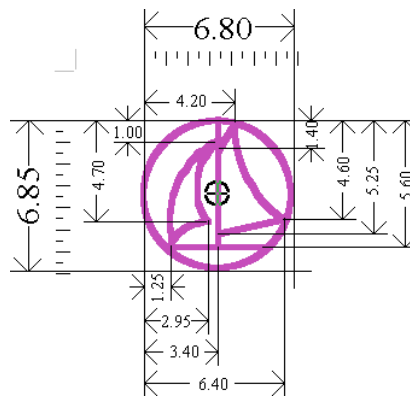
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

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

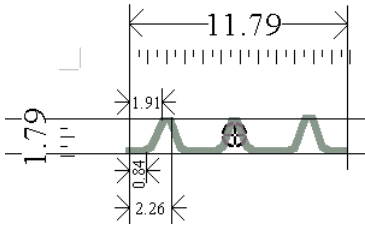
Examples on ENC: N/A


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:	SY(SNDWAV02)	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

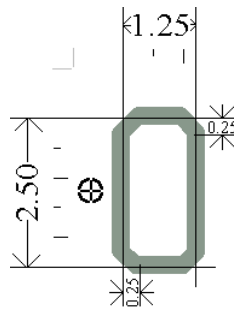
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





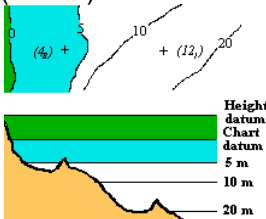

Comments:

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(**SOUNDG01**)

RN: 237

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

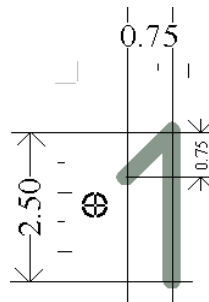
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





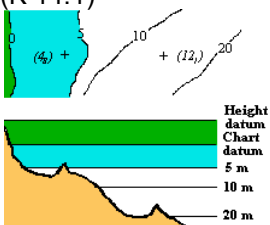

Comments:

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

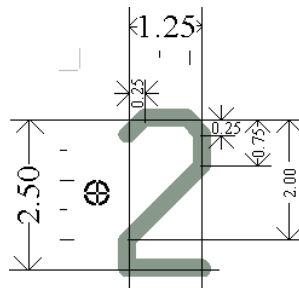
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





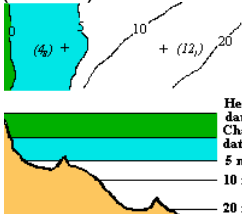

Comments:

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(**SOUNDG03**)

RN: 239

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

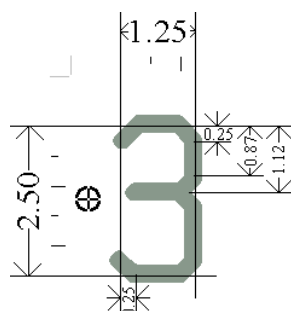
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





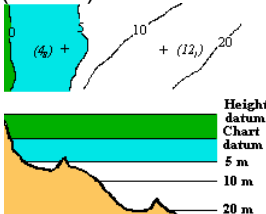

Comments:

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

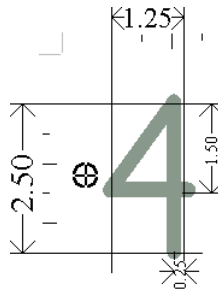
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





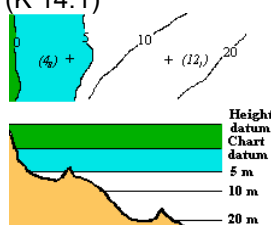

Comments:

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

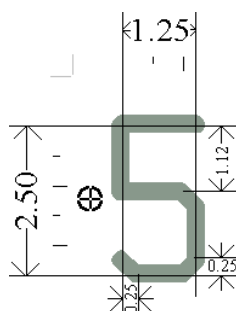
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





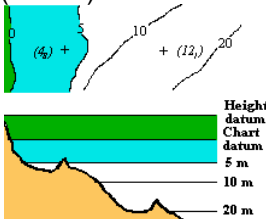

Comments:

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(**SOUNDG06**)

RN: 242

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

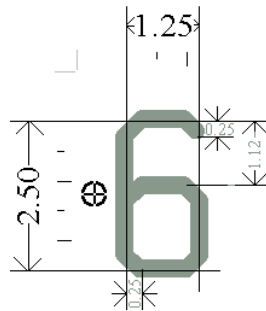
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





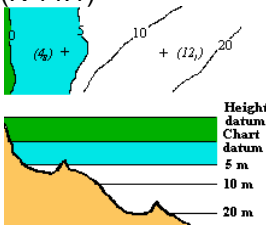

Comments:

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

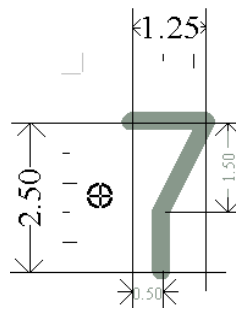
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





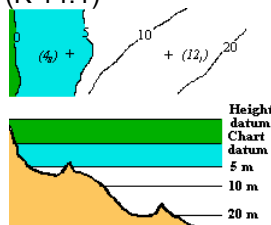

Comments:

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)  <i>Obstrn</i>  <i>Obstrn</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26)  <i>Wk</i>

Symbol Name:

SY(**SOUNDG08**)

RN: 244

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

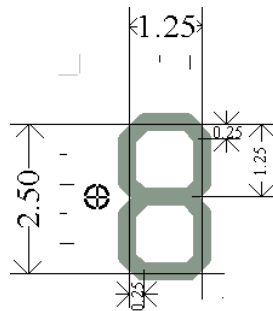
Called by CSP etc.: CSP SNDFRM04 Continuation B

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:

SY(**SOUNDG09**)

RN: 245

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

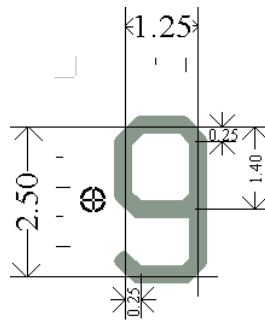
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





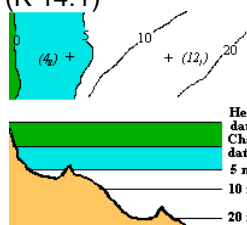

Comments:

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:

SY(**SOUNDG10**)

RN: 246

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

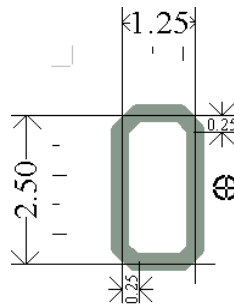
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





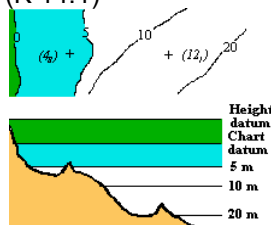

Comments:

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)  <i>Obstrn</i>  <i>Obstrn</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26)  <i>Wk</i>

Symbol Name:

SY(**SOUNDG11**)

RN: 247

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

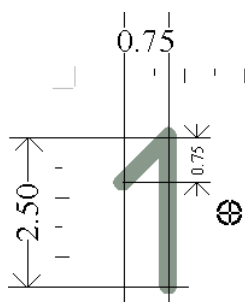
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





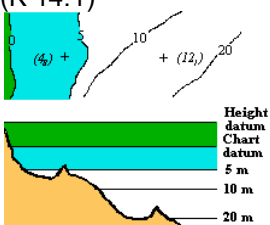

Comments:

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) 
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

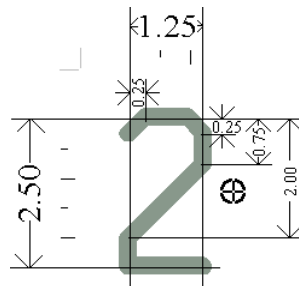
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





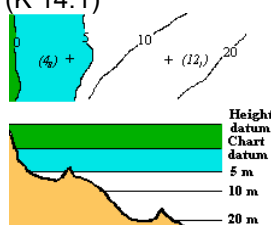

Comments:

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

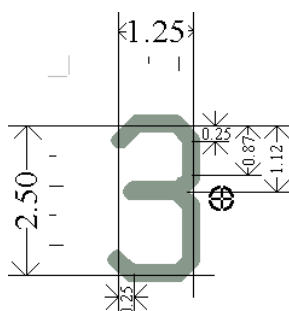
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





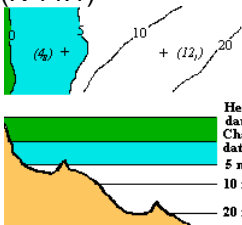


Comments:

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

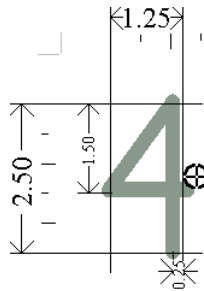
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





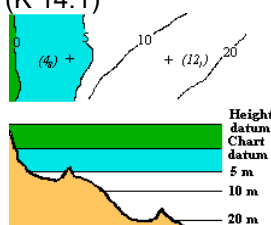

Comments:

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(**SOUNDG15**)

RN: 251

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

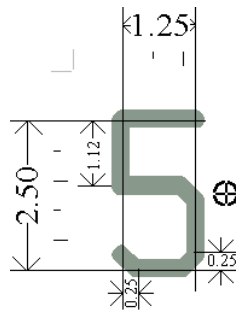
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





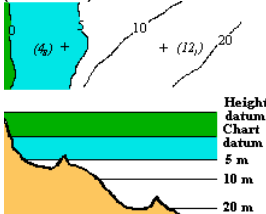

Comments:

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(**SOUNDG16**)

RN: 252

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

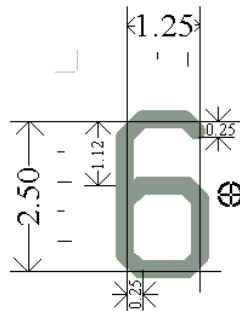
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





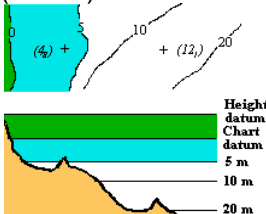

Comments:

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

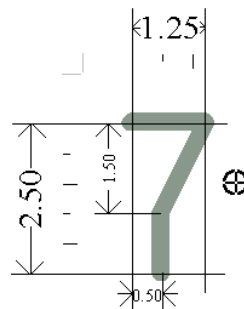
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





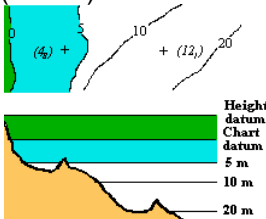

Comments:

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) 
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(**SOUNDG18**)

RN: 254

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

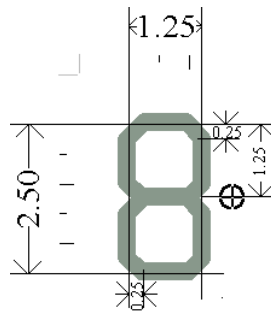
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





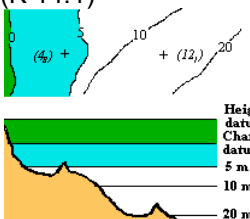

Comments:

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(**SOUNDG19**)

RN: 255

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

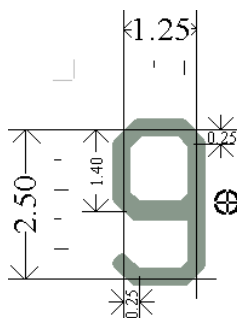
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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





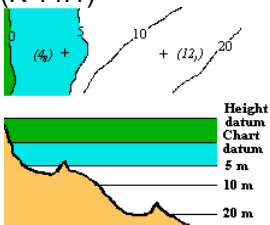

Comments:

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

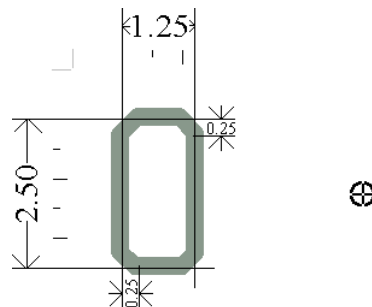
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





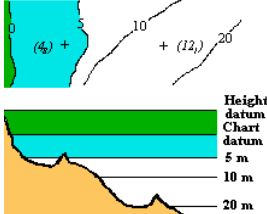

Comments:

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

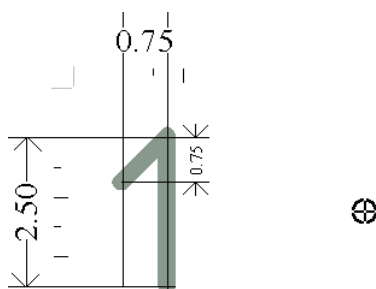
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





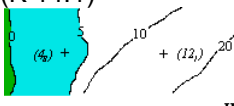


Comments:

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:

SY(**SOUNDG22**)

RN: 258

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

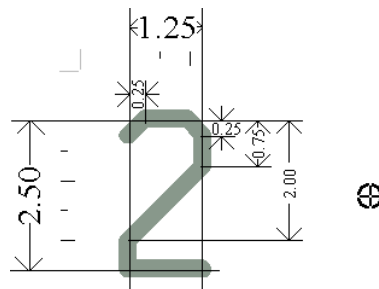
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





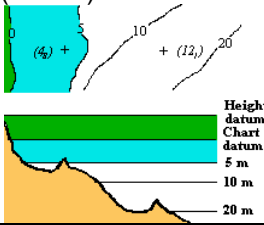

Comments:

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)  <i>Obstrn</i>  <i>Obstrn</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26)  <i>Wk</i>

Symbol Name:

SY(**SOUNDG23**)

RN: 259

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

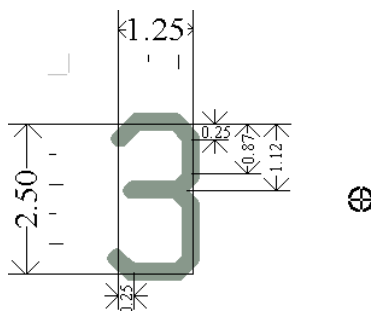
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





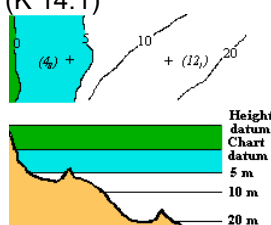

Comments:

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(**SOUNDG24**)

RN: 260

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

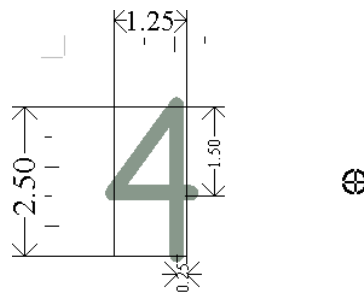
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





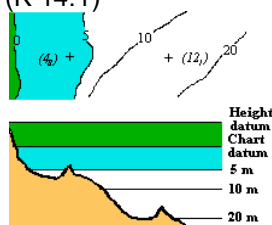

Comments:

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

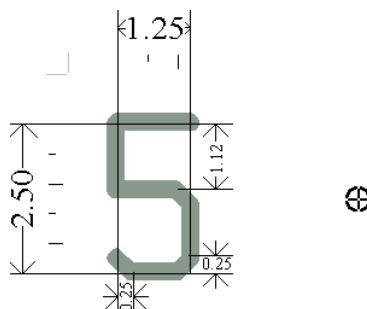
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





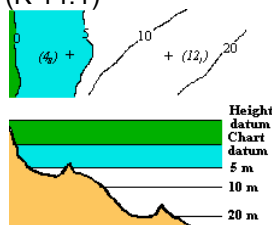

Comments:

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

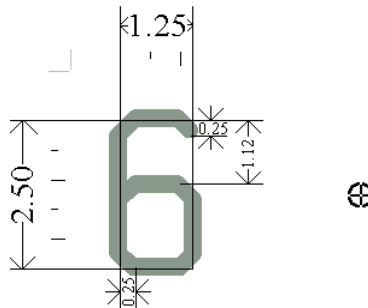
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





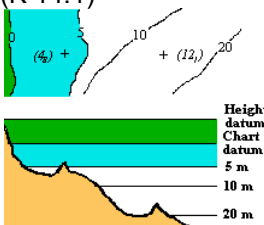

Comments:

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

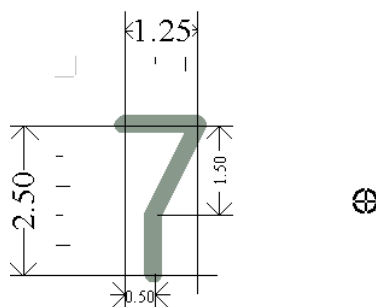
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





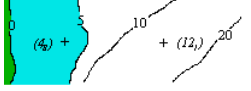


Comments:

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

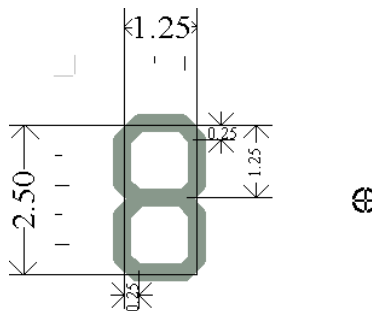
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





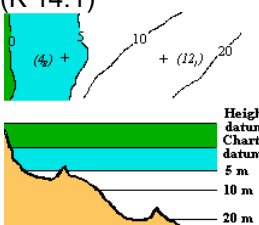

Comments:

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(**SOUNDG29**)

RN: 265

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

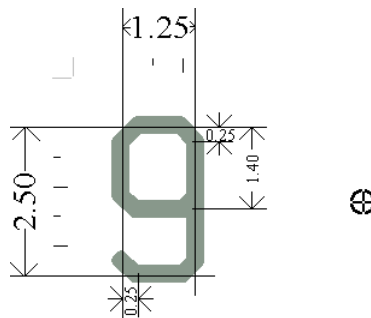
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





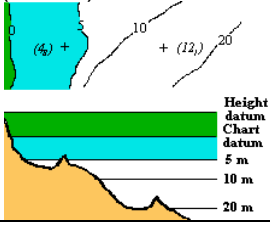

Comments:

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

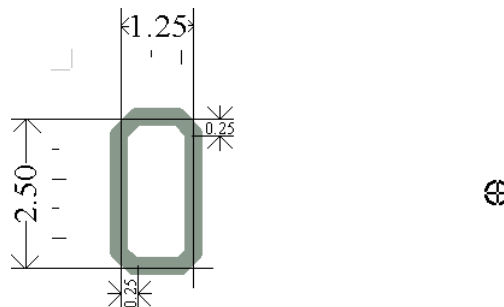
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





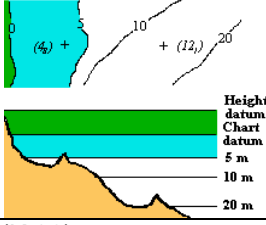

Comments:

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)  <i>Obstrn</i>  <i>Obstrn</i>
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(**SOUNDG31**)

RN: 267

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

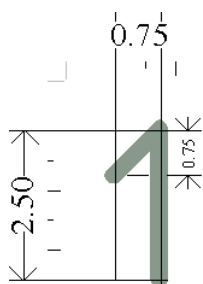
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





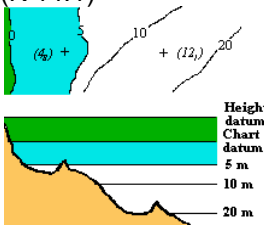

Comments:

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)  <i>Obstrn</i>  <i>Obstrn</i>
UWTROC	K 11, 12, 14.1, 14.2, 15; O 27	(K 14.1) 
WRECKS	K 21, 22, 26, 27, 30	(K 26)  <i>Wk</i>

Symbol Name:

SY(**SOUNDG32**)

RN: 268

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

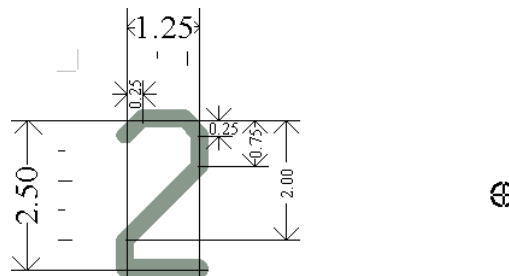
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





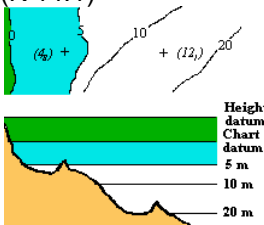

Comments:

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(**SOUNDG33**)

RN: 269

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

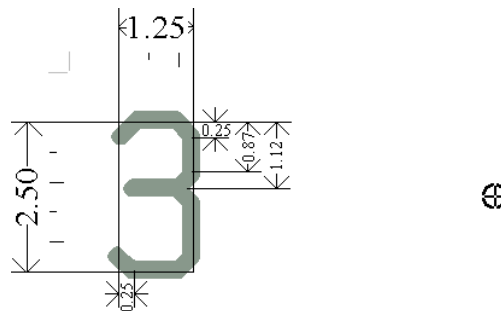
Called by CSP etc.: CSP SNDFRM04 Continuation C

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)   <i>Obstrn</i>
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)  <i>Wk</i>

Symbol Name:

SY(**SOUNDG34**)

RN: 270

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

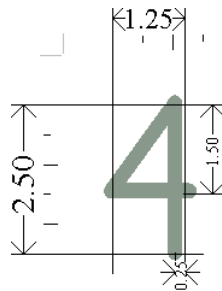
Called by CSP etc.: CSP SNDFRM04 Continuation C

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



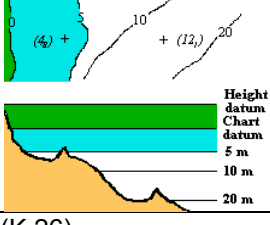

Comments:

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(**SOUNDG35**)

RN: 271

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

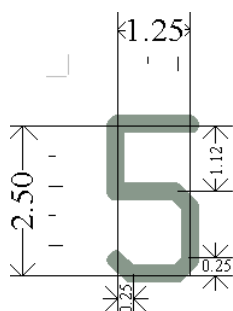
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





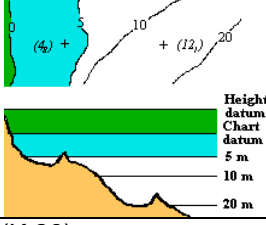

Comments:

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(**SOUNDG36**)

RN: 272

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

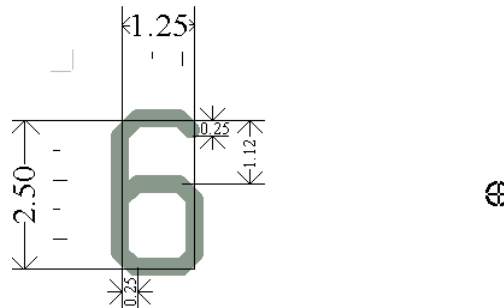
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





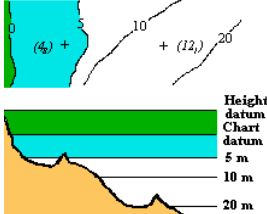

Comments:

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(**SOUNDG37**)

RN: 273

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

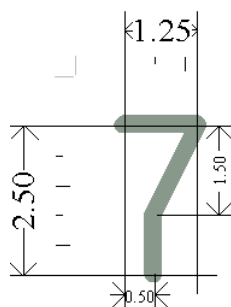
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





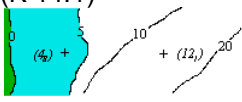


Comments:

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

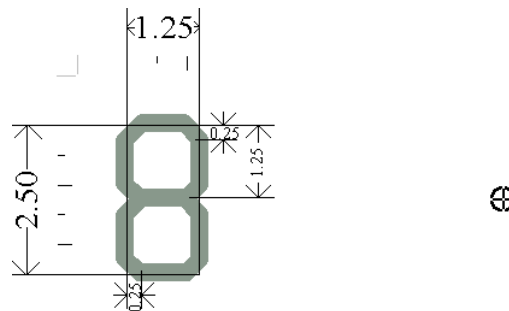
Called by CSP etc.: CSP SNDFRM04 Continuation C

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



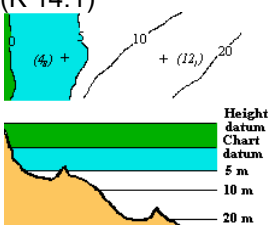

Comments:

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(**SOUNDG39**)

RN: 275

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

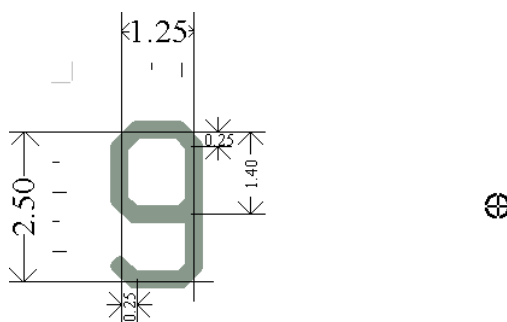
Called by CSP etc.: CSP SNDFRM04 Continuation C

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





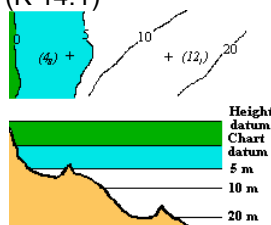

Comments:

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

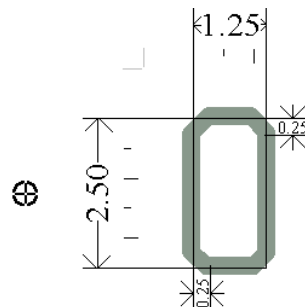
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





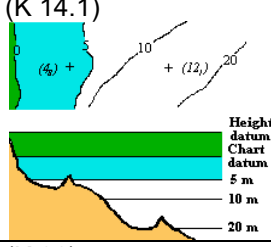

Comments:

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

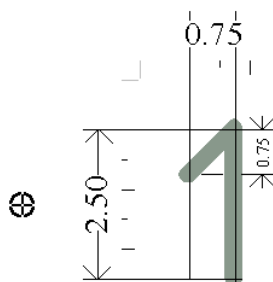
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





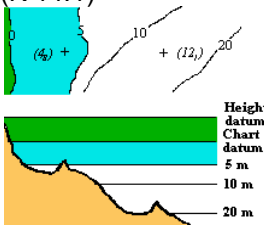

Comments:

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:

SY(**SOUNDG42**)

RN: 278

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

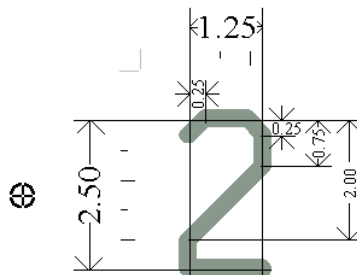
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





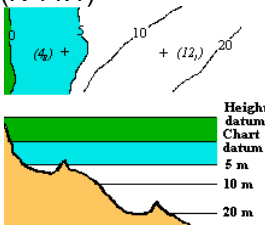

Comments:

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(**SOUNDG43**)

RN: 279

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

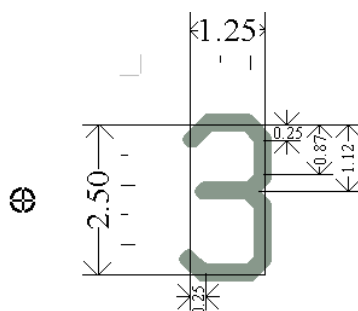
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





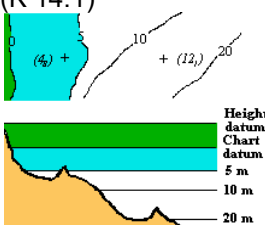

Comments:

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

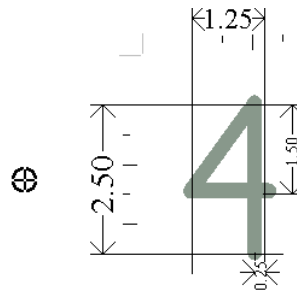
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





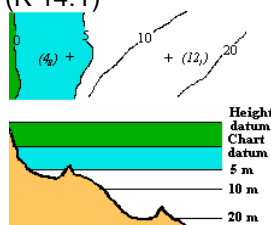

Comments:

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(**SOUNDG45**)

RN: 281

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

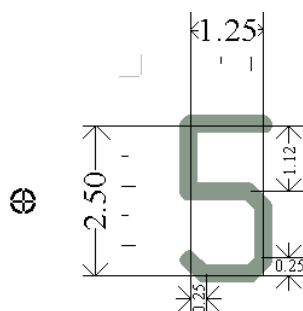
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





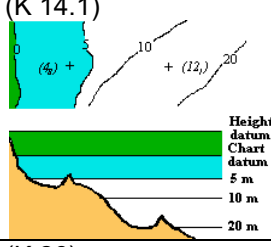

Comments:

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(**SOUNDG46**)

RN: 282

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

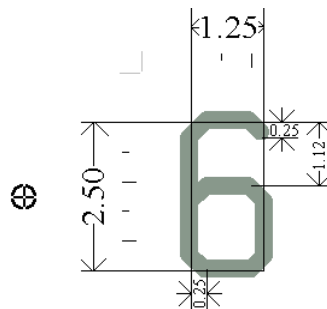
Called by CSP etc.: CSP SNDFRM04 Continuation B

Pivot Point Column: -2.75

Pivot Point Row: 1.25

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:







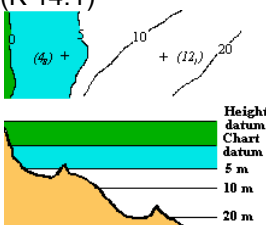

SNDG1

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:

SY(**SOUNDG47**)

RN: 283

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

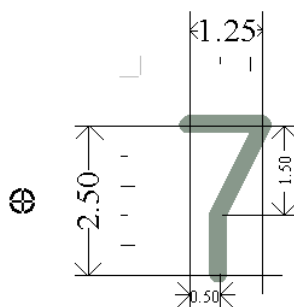
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





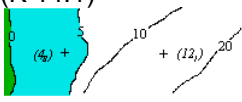


Comments:

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

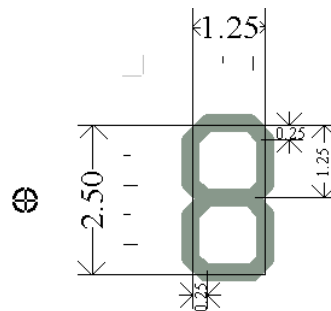
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





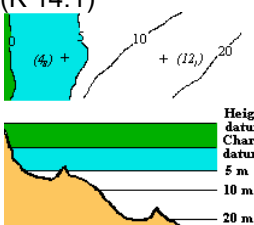

Comments:

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 datum Chart datum 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

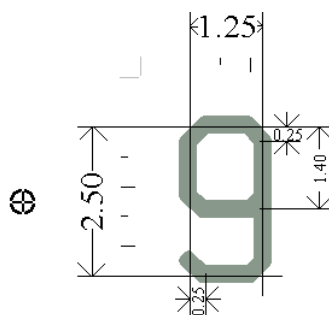
Called by CSP etc.: CSP SNDFRM04 Continuation B

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





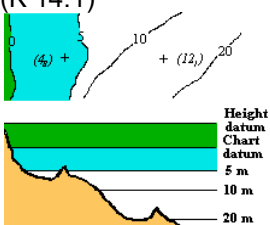

Comments:

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 datum Chart datum 5 m 10 m 20 m
WRECKS	K 21, 22, 26, 27, 30	(K 26) 

Symbol Name:

SY(**SOUNDG50**)

RN: 286

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

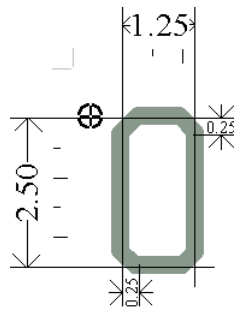
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





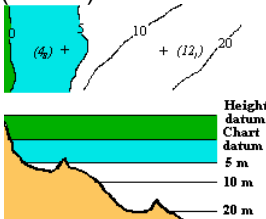

Comments:

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 datum Chart datum datum 5 m 10 m 20 m
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

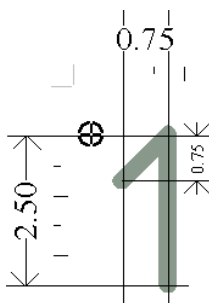
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





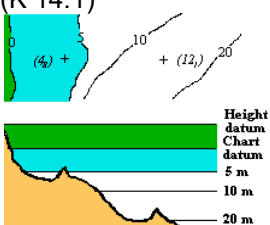

Comments:

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

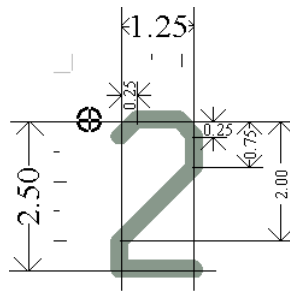
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





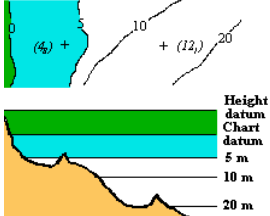

Comments:

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(**SOUNDG53**)

RN: 289

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

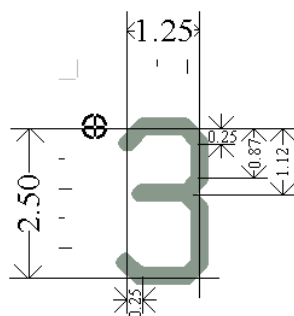
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





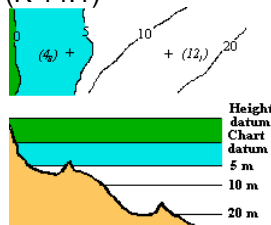

Comments:

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

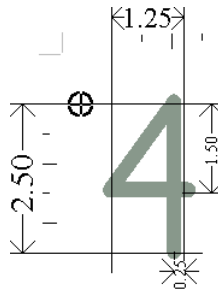
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





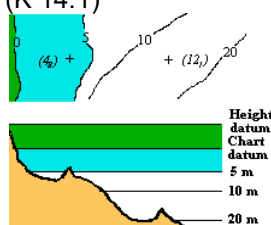

Comments:

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

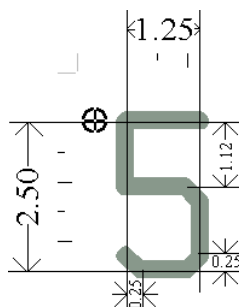
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





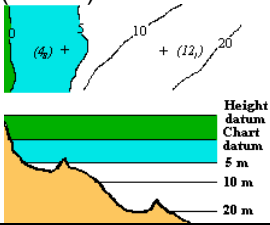

Comments:

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(**SOUNDG56**)

RN: 292

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

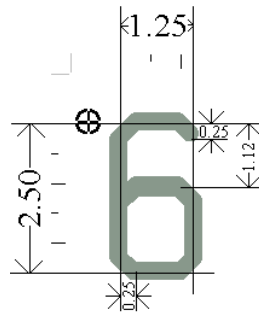
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





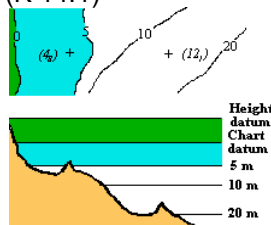

Comments:

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

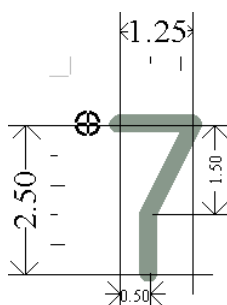
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





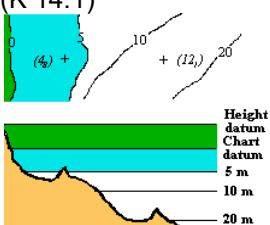

Comments:

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(**SOUNDG58**)

RN: 294

Symbol Explanation: for deep soundings, greater than safety depth

Look up table affected: N/A

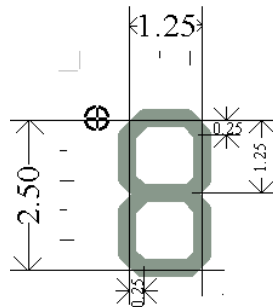
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





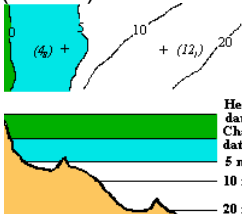

Comments:

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 datum Chart datum 5 m 10 m 20 m
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

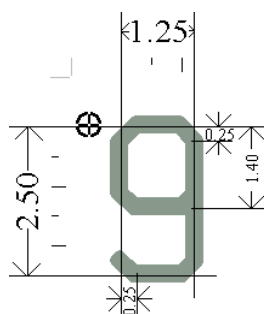
Called by CSP etc.: CSP SNDFRM04 Continuation A

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





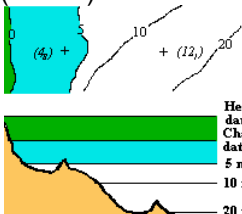

Comments:

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

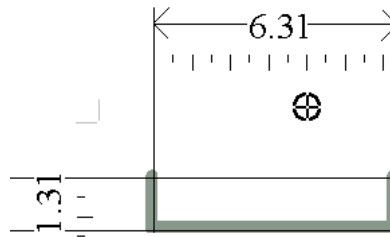
Symbol Explanation: symbol for swept sounding, used for deep soundings greater than safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM04

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

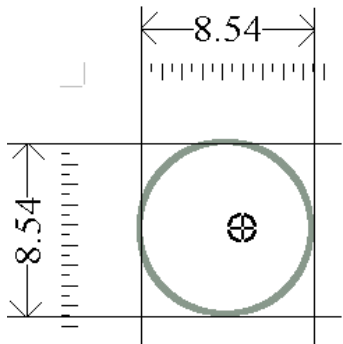
Examples on ENC: N/A


## References:

S57	INT 1	
as applicable	K 2	
OBSTRN	K 42	
WRECKS	K 27	

Symbol Name:	SY( <b>SOUNDGC2</b> )	RN: 298
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Symbol Explanation:	sounding of low accuracy
Look up table affected:	N/A
Called by CSP etc.:	CSP SNDFRM04
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            9 <sub>7</sub>

Symbol Name:

SY(**SOUNDS00**)

RN: 299

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

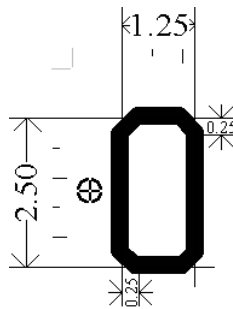
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS01**)

RN: 300

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

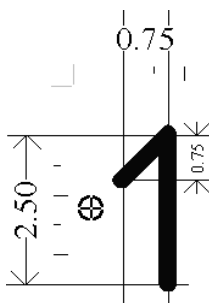
Called by CSP etc.: CSP SNDFRM04 Continuation B

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>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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS02**)

RN: 301

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

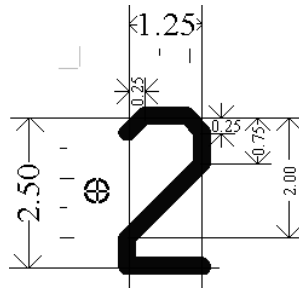
Called by CSP etc.: CSP SNDFRM04 Continuation B

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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS03**)

RN: 302

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

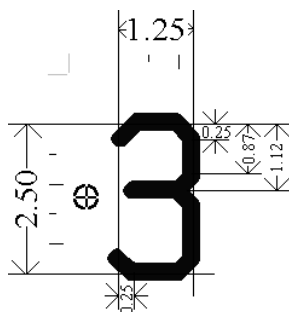
Called by CSP etc.: CSP SNDFRM04 Continuation B

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)  Well
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)  Wk

Symbol Name:

SY(**SOUNDS04**)

RN: 303

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

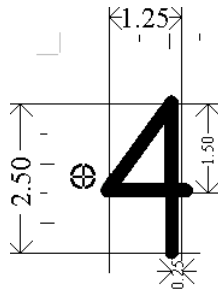
Called by CSP etc.: CSP SNDFRM04 Continuation B

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 Well</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 Wk</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

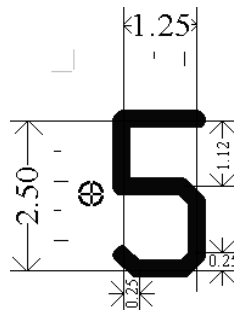
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk



Symbol Name:

SY(**SOUNDS06**)

RN: 305

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

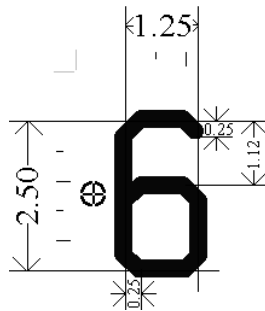
Called by CSP etc.: CSP SNDFRM04 Continuation B

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 Well</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 Wk</i>

Symbol Name:

SY(SOUNDS07)

RN: 306

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

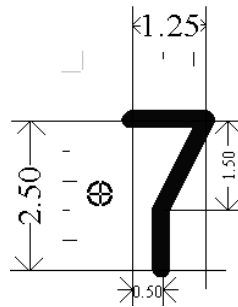
Called by CSP etc.: CSP SNDFRM04 Continuation B

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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS08**)

RN: 307

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

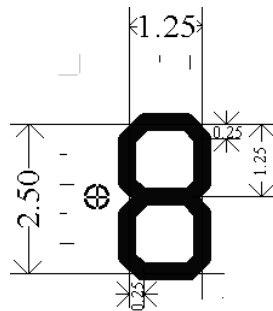
Called by CSP etc.: CSP SNDFRM04 Continuation B

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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS09**)

RN: 308

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

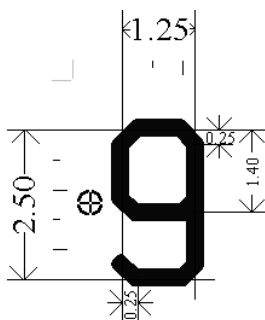
Called by CSP etc.: CSP SNDFRM04 Continuation B

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 Well</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 Wk</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

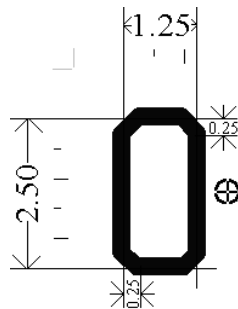
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS11**)

RN: 310

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

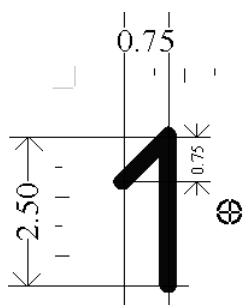
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) <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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS12**)

RN: 311

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

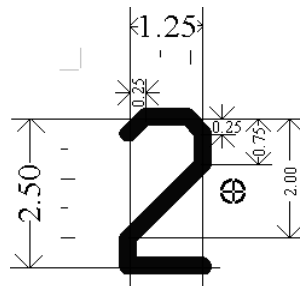
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS13**)

RN: 312

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

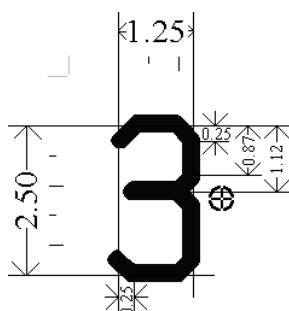
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>



Symbol Name:

SY(**SOUNDS14**)

RN: 313

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

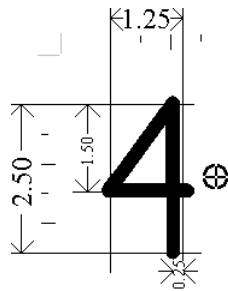
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS15**)

RN: 314

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

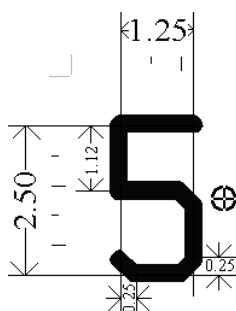
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS16**)

RN: 315

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

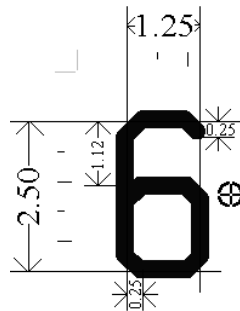
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS17**)

RN: 316

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

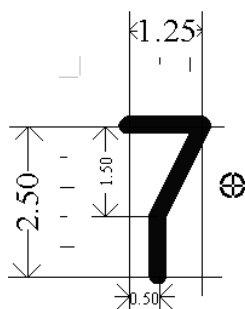
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS18**)

RN: 317

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

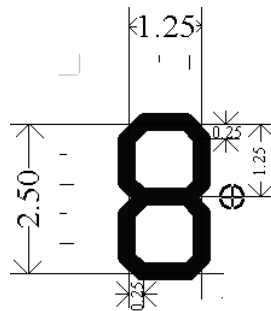
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS19**)

RN: 318

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

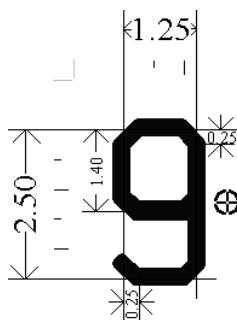
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS20**)

RN: 319

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

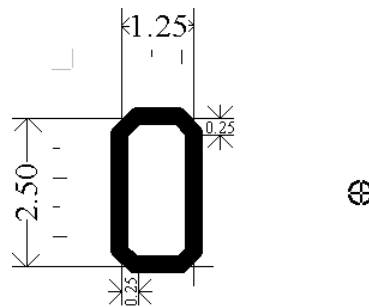
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS21**)

RN: 320

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

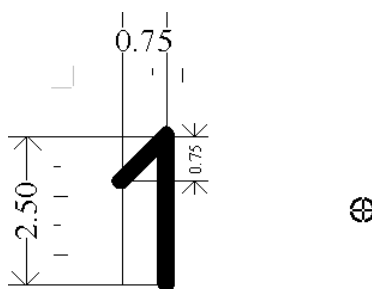
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) <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 Well</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 Wk</i>



Symbol Name:

SY(**SOUNDS22**)

RN: 321

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

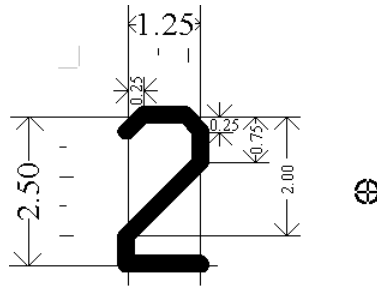
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS23**)

RN: 322

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

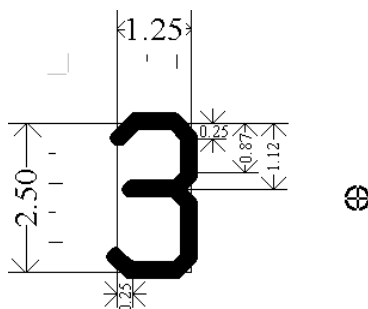
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS24**)

RN: 323

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

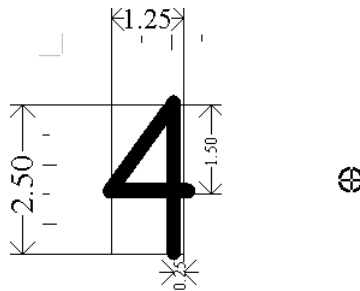
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS25**)

RN: 324

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

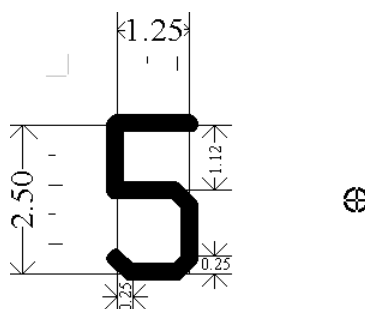
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS26**)

RN: 325

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

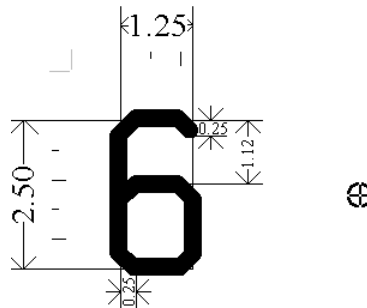
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS27**)

RN: 326

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

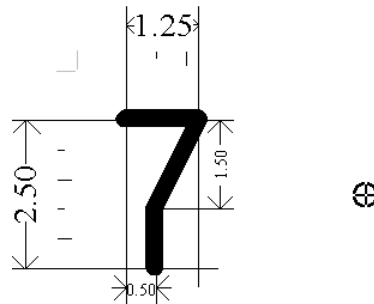
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS28**)

RN: 327

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

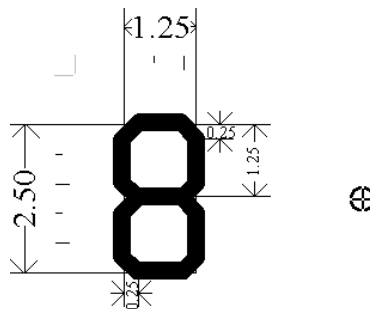
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS29**)

RN: 328

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

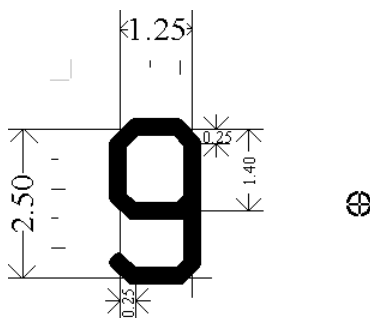
Called by CSP etc.: CSP SNDFRM04 Continuation A, B

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) <i>25 Well</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 Wk</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

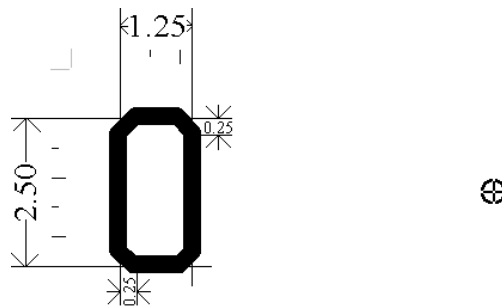
Called by CSP etc.: CSP SNDFRM04 Continuation C

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS31**)

RN: 330

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

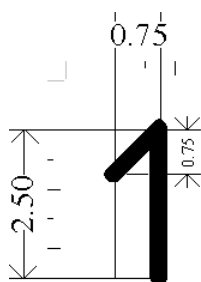
Called by CSP etc.: CSP SNDFRM04 Continuation C

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(SOUNDS32)

RN: 331

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

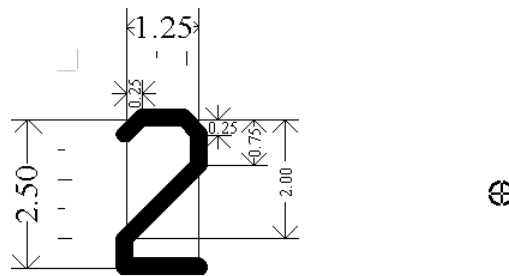
Called by CSP etc.: CSP SNDFRM04 Continuation C

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS33**)

RN: 332

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

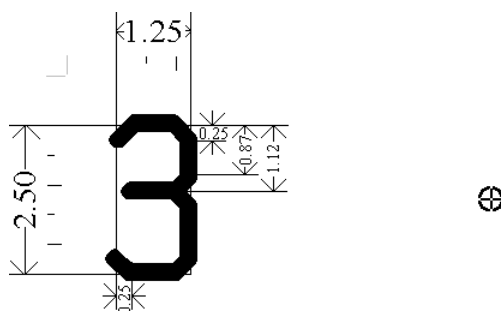
Called by CSP etc.: CSP SNDFRM04 Continuation C

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS34**)

RN: 333

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

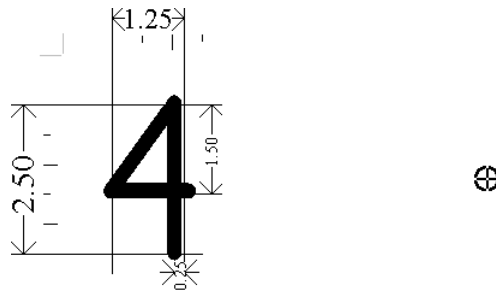
Called by CSP etc.: CSP SNDFRM04 Continuation C

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS35**)

RN: 334

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

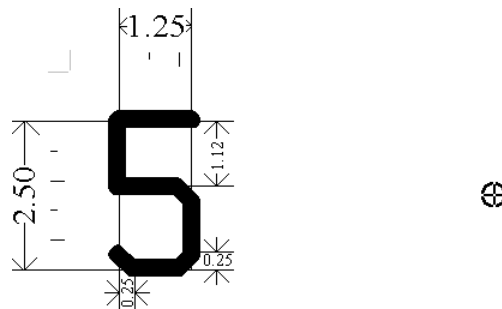
Called by CSP etc.: CSP SNDFRM04 Continuation C

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS36**)

RN: 335

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

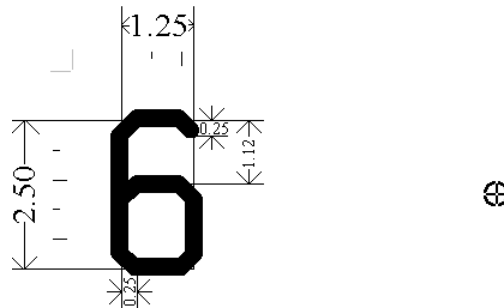
Called by CSP etc.: CSP SNDFRM04 Continuation C

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS37**)

RN: 336

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

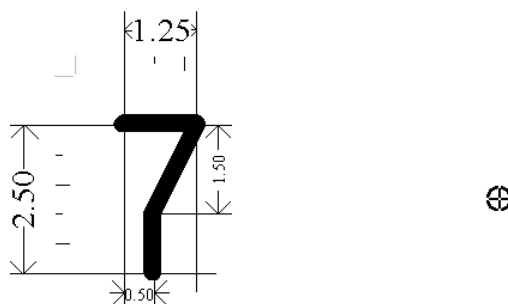
Called by CSP etc.: CSP SNDFRM04 Continuation C

Pivot Point Column: 6.25

Pivot Point Row: 1.00

Width of Bounding Box: 1.25

Height of Bounding Box: 2.50



Symbol Colours:



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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk



Symbol Name:

SY(**SOUNDS38**)

RN: 337

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

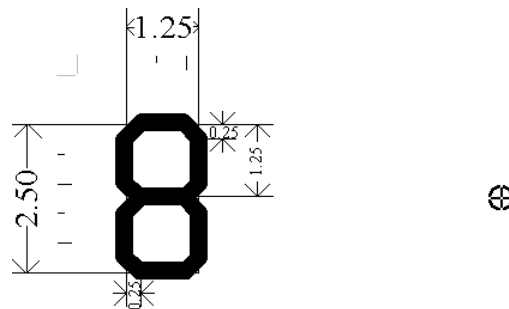
Called by CSP etc.: CSP SNDFRM04 Continuation C

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS39**)

RN: 338

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

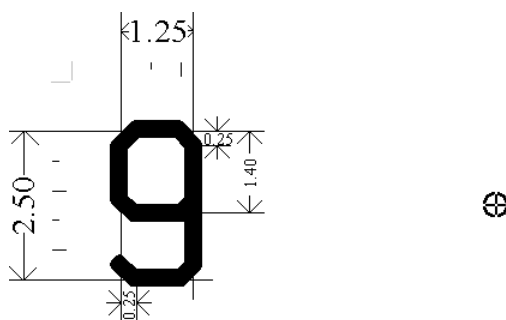
Called by CSP etc.: CSP SNDFRM04 Continuation C

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</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

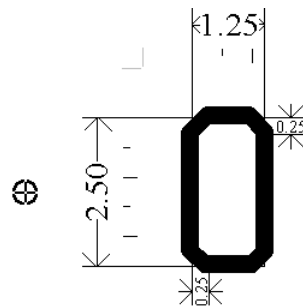
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS41**)

RN: 340

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

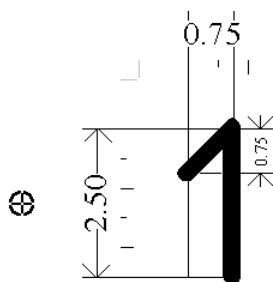
Called by CSP etc.: CSP SNDFRM04 Continuation B

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>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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS42**)

RN: 341

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

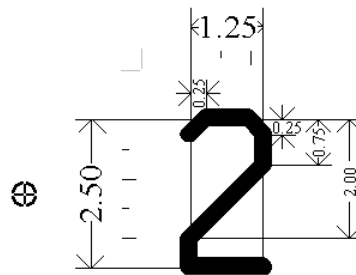
Called by CSP etc.: CSP SNDFRM04 Continuation B

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>21 R</i>
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

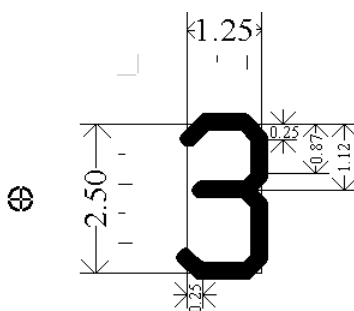
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS44**)

RN: 343

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

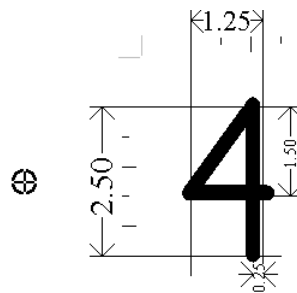
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS45**)

RN: 344

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

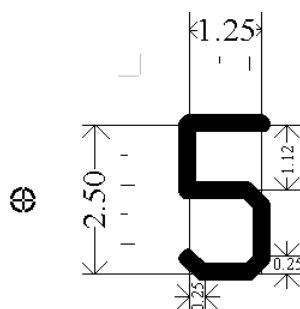
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk



Symbol Name:

SY(**SOUNDS46**)

RN: 345

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

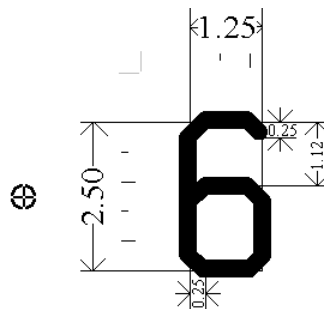
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS47**)

RN: 346

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

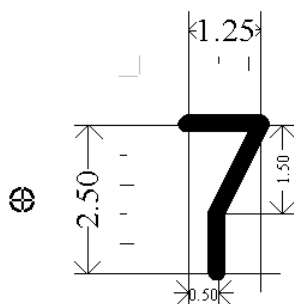
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) <i>25 Well</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 Wk</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

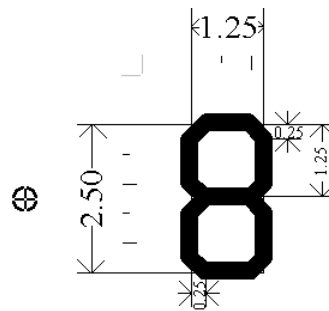
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS49**)

RN: 348

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

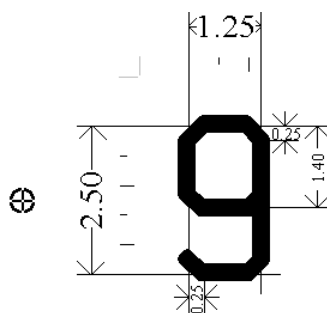
Called by CSP etc.: CSP SNDFRM04 Continuation B

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) <i>25 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS50**)

RN: 349

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

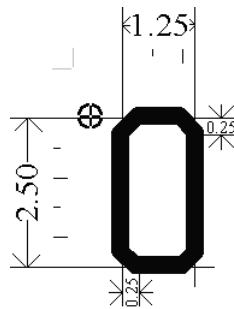
Called by CSP etc.: CSP SNDFRM04 Continuation A

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS51**)

RN: 350

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

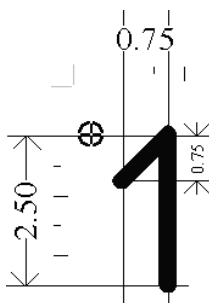
Called by CSP etc.: CSP SNDFRM04 Continuation A

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 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>

Symbol Name:

SY(SOUNDS52)

RN: 351

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

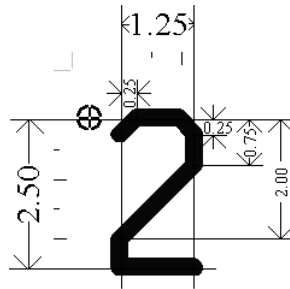
Called by CSP etc.: CSP SNDFRM04 Continuation A

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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS53**)

RN: 352

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

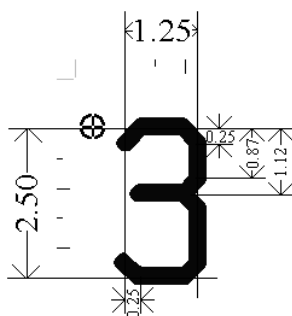
Called by CSP etc.: CSP SNDFRM04 Continuation A

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>I2 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) <i>25 Well</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 Wk</i>



Symbol Name:

SY(**SOUNDS54**)

RN: 353

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

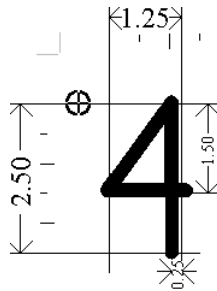
Called by CSP etc.: CSP SNDFRM04 Continuation A

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 Well</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 Wk</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

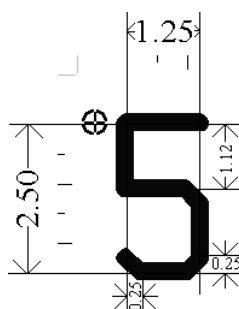
Called by CSP etc.: CSP SNDFRM04 Continuation A

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS56**)

RN: 355

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

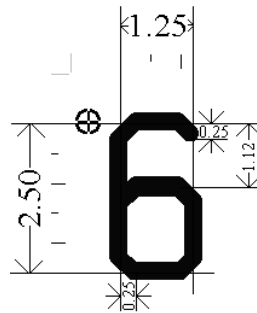
Called by CSP etc.: CSP SNDFRM04 Continuation A

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>I2 97</i>
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2)  <i>Well</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>Wk</i>

Symbol Name:	SY(SOUNDS57)	RN: 356
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Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

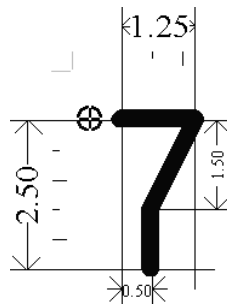
Called by CSP etc.: CSP SNDFRM04 Continuation A

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 Well</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 Wk</i>

Symbol Name:

SY(**SOUNDS58**)

RN: 357

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

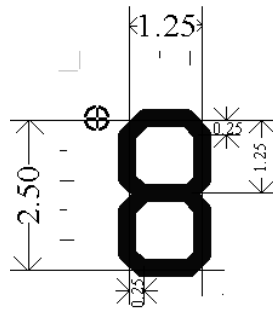
Called by CSP etc.: CSP SNDFRM04 Continuation A

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDS59**)

RN: 358

Symbol Explanation: shallow soundings, less than or equal to the safety depth

Look up table affected: N/A

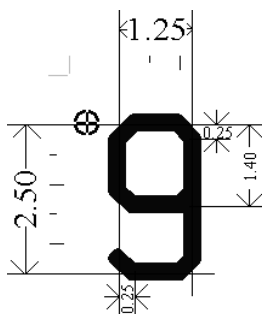
Called by CSP etc.: CSP SNDFRM04 Continuation A

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) 12 97
OBSTRN	I 2, 4; K 41, 42, 46.2; L 20, 21.2; M 43; Q 42	(L 21.2) 25 Well
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 Wk

Symbol Name:

SY(**SOUNDSA1**)

RN: 359

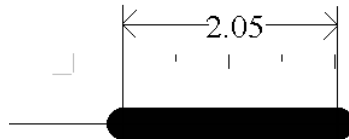
Symbol Explanation: symbol for drying height, used for shallow soundings, less than or equal to safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM04 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

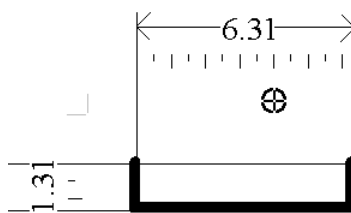
Symbol Explanation: symbol for swept sounding, used for shallow soundings, less than or equal to safety depth

Look up table affected: N/A

Called by CSP etc.: CSP SNDFRM04

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	
WRECKS	K 27	



Symbol Name:

SY(**SOUNDSC2**)

RN: 362

Symbol Explanation: sounding of low accuracy

Look up table affected: N/A

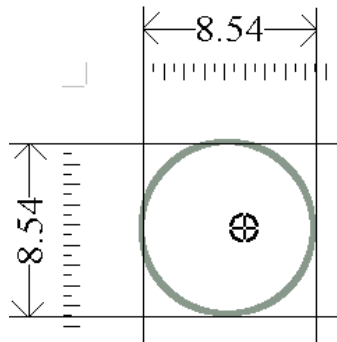
Called by CSP etc.: CSP SNDFRM04

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

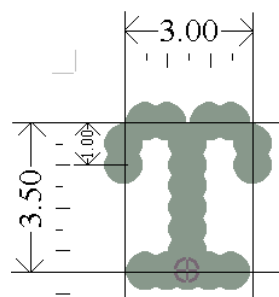
Examples on ENC: N/A


References:


S57	INT 1	
as applicable	B 7, 8; I 1, 3.1, 3.2	(I 1) <i>ED</i>
OBSTRN	I 2	<i>SD</i>
SOUNDG	I 2, 4, 13, 14	(I 13) <i>SD</i>

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:	<b>SY(SWPARE51)</b>	RN: 364
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Symbol Explanation: swept area

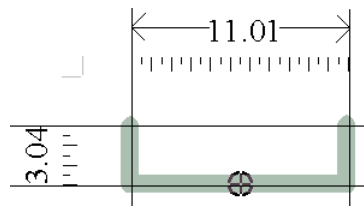
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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	

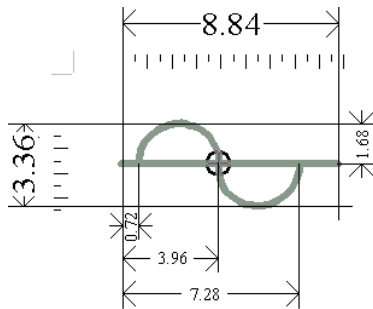
Symbol Name:	SY(TIDEHT01)	RN: 368
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Symbol Explanation: point for which tide height information is available

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

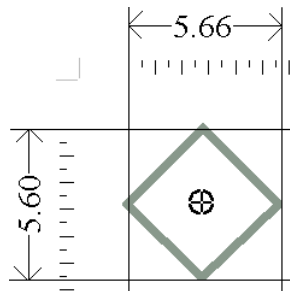
Look up table affected: paper chart point symbols  
area symbols with plain boundaries  
simplified point symbols  
area symbols with symbolized boundaries

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
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Symbol Explanation: topmark for beacons, flag or other shape, paper-chart

Look up table affected: N/A

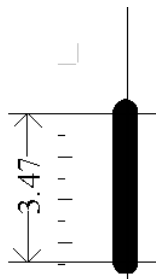
Called by CSP etc.: CSP TOPMAR01

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

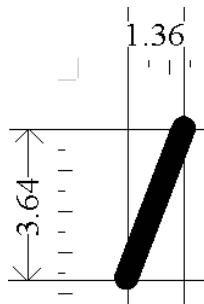
Called by CSP etc.: CSP TOPMAR01

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

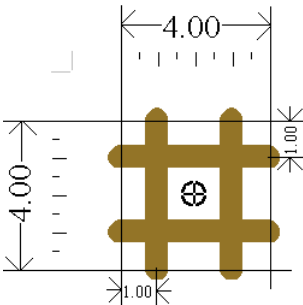
Symbol Name:	SY(TMBYRD01)	RN: 372
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Symbol Explanation: timber yard

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:	<b>SY(TNKCON02)</b>	RN: 373
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Symbol Explanation: tank

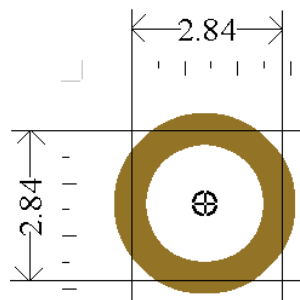
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.3mm; circle diameter 2.84 mm

Examples on ENC: N/A

#### References:

S57	INT 1		
BUIISGL	Not specified		
PRDARE	Not specified		
SILTANK	E 32		

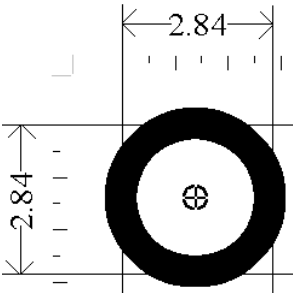
Symbol Name:	SY(TNKCON12)	RN: 374
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Symbol Explanation: conspicuous tank

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		
BUIISGL	Not specified		
PRDARE	Not specified		
SILTNK	E 32	<div><div><div></div><div></div></div></div>	<div><div>T a n k s</div></div>

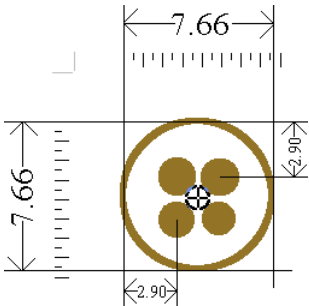
Symbol Name:	SY(TNKFRM01)	RN: 375
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Symbol Explanation: tank farm

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

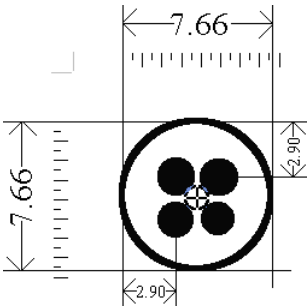
Symbol Name:	SY(TNKFRM11)	RN: 376
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Symbol Explanation: conspicuous tank farm

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 0.6mm; 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

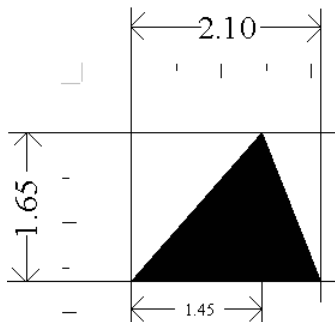
Called by CSP etc.: CSP TOPMAR01

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:	SY(TOPMAR04)	RN: 378
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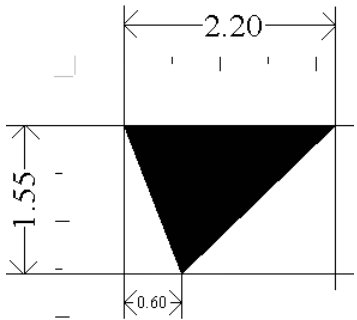
Symbol Explanation: topmark for buoys, cone point down, paper-chart

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:

SY(TOPMAR05)

RN: 379

Symbol Explanation: topmark for buoys, 2 cones point upward, paper-chart

Look up table affected: N/A

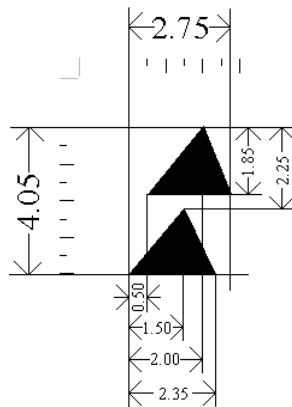
Called by CSP etc.: CSP TOPMAR01

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
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Symbol Explanation: topmark for buoys, 2 cones point downward, paper-chart

Look up table affected: N/A

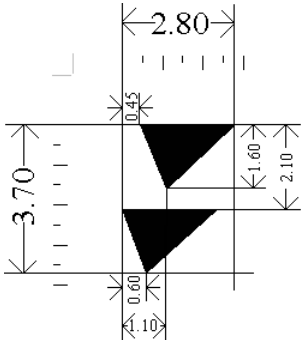
Called by CSP etc.: CSP TOPMAR01

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

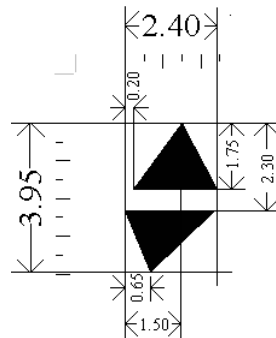
Called by CSP etc.: CSP TOPMAR01

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:	SY(TOPMAR08)	RN: 382
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Symbol Explanation: topmark for buoys, 2 cones point to point, paper-chart

Look up table affected: N/A

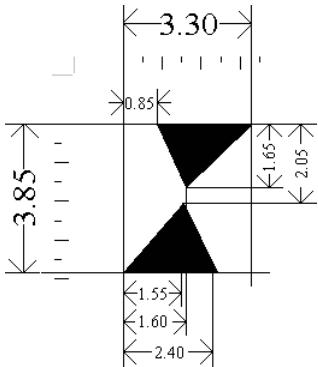
Called by CSP etc.: CSP TOPMAR01

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

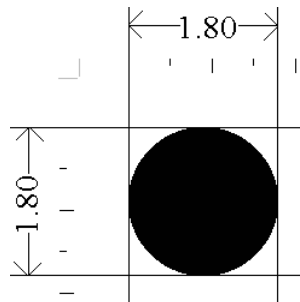
Called by CSP etc.: CSP TOPMAR01

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

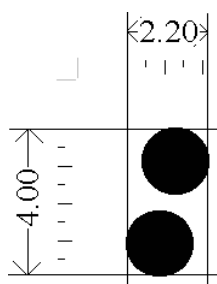
Called by CSP etc.: CSP TOPMAR01

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

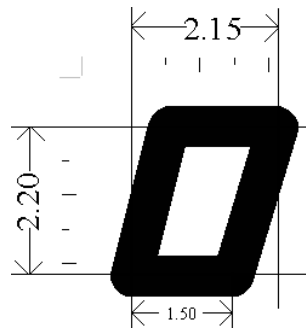
Called by CSP etc.: CSP TOPMAR01

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:

SY(**TOPMAR14**)

RN: 386

Symbol Explanation: topmark for buoys, board, paper-chart

Look up table affected: N/A

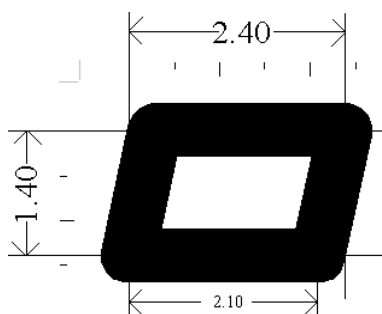
Called by CSP etc.: CSP TOPMAR01

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

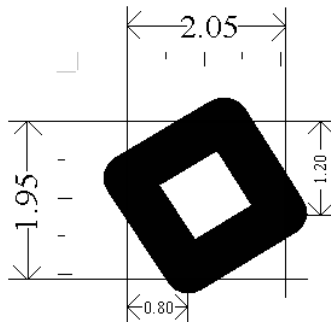
Called by CSP etc.: CSP TOPMAR01

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

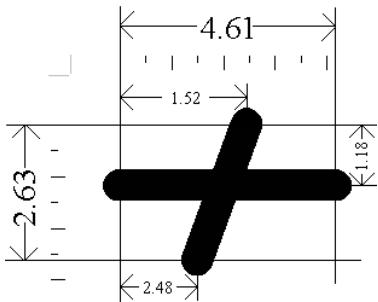
Examples on ENC: N/A

References:

S57	INT 1	
TOPMAR	Not specified	

Symbol Name:	SY(TOPMAR17)	RN: 388
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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:	<div>CHBLK</div>
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

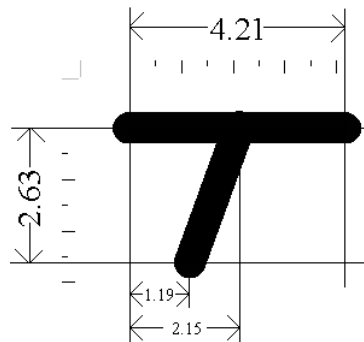
Called by CSP etc.: CSP TOPMAR01

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:	SY(TOPMAR22)	RN: 390
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Symbol Explanation: topmark for beacons, cone point up, paper-chart

Look up table affected: N/A

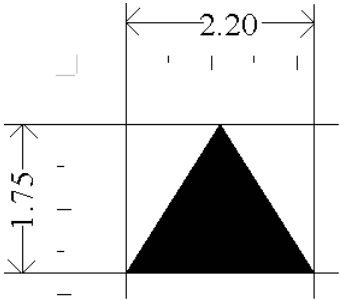
Called by CSP etc.: CSP TOPMAR01

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)  G

Symbol Name:

SY(**TOPMAR24**)

RN: 391

Symbol Explanation: topmark for beacons, cone point down, paper-chart

Look up table affected: N/A

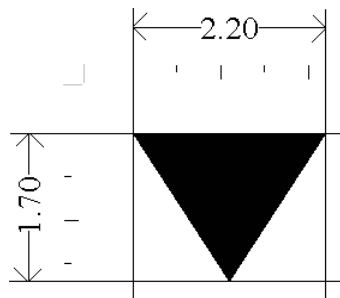
Called by CSP etc.: CSP TOPMAR01

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

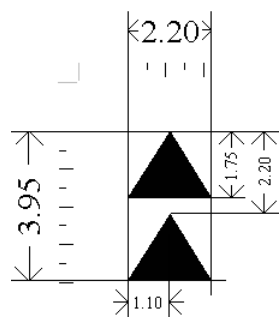
Examples on ENC: N/A

References:


S57	INT 1	
TOPMAR	Not specified	

Symbol Name:	SY(TOPMAR25)	RN: 392
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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:	<div style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></div> 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

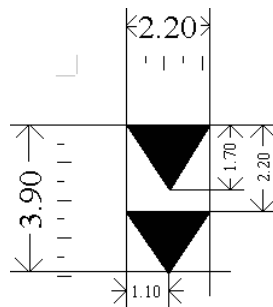
Called by CSP etc.: CSP TOPMAR01

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
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Symbol Explanation: topmark for beacons, 2 cones base to base, paper-chart

Look up table affected: N/A

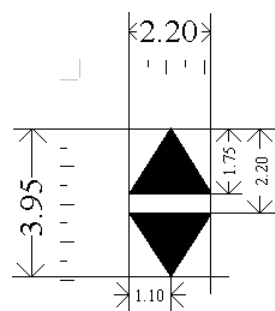
Called by CSP etc.: CSP TOPMAR01

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:	<b>SY(TOPMAR28)</b>	RN: 395
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Symbol Explanation: topmark for beacons, 2 cones point to point, paper-chart

Look up table affected: N/A

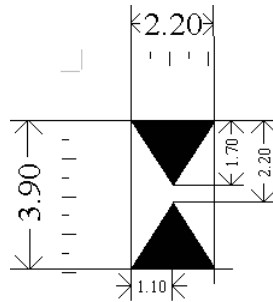
Called by CSP etc.: CSP TOPMAR01

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
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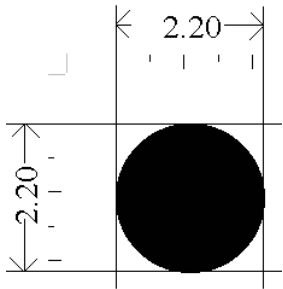
Symbol Explanation: topmark for beacons, sphere, paper-chart

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

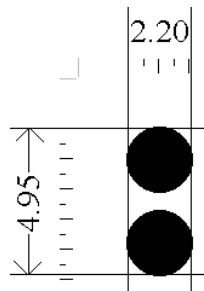
Called by CSP etc.: CSP TOPMAR01

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

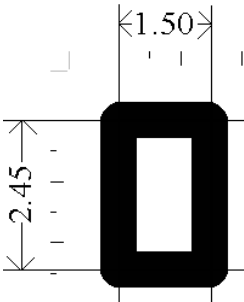
Examples on ENC: N/A

#### References:


S57	INT 1	
TOPMAR	Q 2-5, 10, 82, 110, 130.4	(Q 110)
		 BRE

Symbol Name:	SY(TOPMAR33)	RN: 398
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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:	<div style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></div> 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

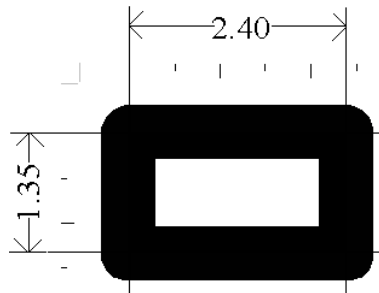
Called by CSP etc.: CSP TOPMAR01

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:	SY(TOPMAR36)	RN: 400
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Symbol Explanation: topmark for beacons, cube point up, paper-chart

Look up table affected: N/A

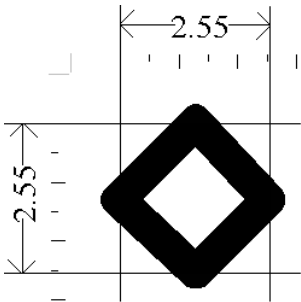
Called by CSP etc.: CSP TOPMAR01

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

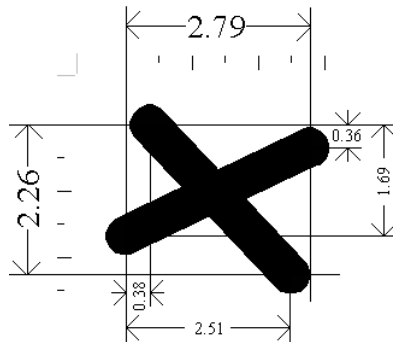
Called by CSP etc.: CSP TOPMAR01

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
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Symbol Explanation: topmark for beacons, x-shape, paper-chart

Look up table affected: N/A

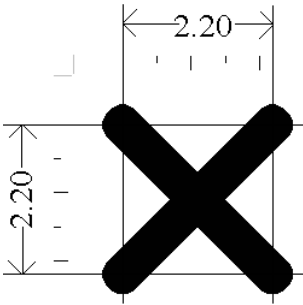
Called by CSP etc.: CSP TOPMAR01

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:	<b>SY(TOPMAR86)</b>	RN: 403
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Symbol Explanation: topmark for beacons, upright cross, paper-chart

Look up table affected: N/A

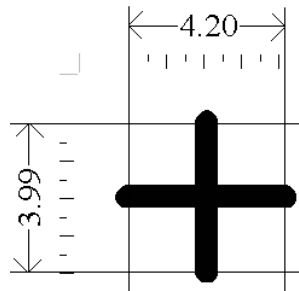
Called by CSP etc.: CSP TOPMAR01

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

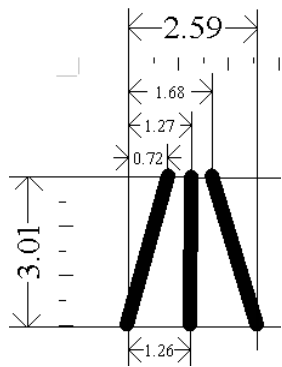
Examples on ENC: N/A

References:

S57	INT 1
TOPMAR	Q 2-5, 10, 82, 110

Symbol Name:	SY(TOPMAR87)	RN: 404
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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:	<div style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></div> 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

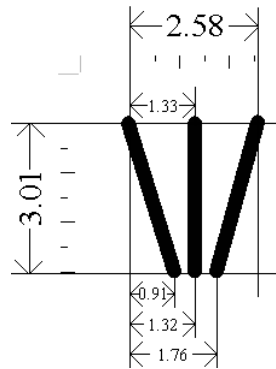
Called by CSP etc.: CSP TOPMAR01

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
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Symbol Explanation: topmark for beacons, T-shape, paper-chart

Look up table affected: N/A

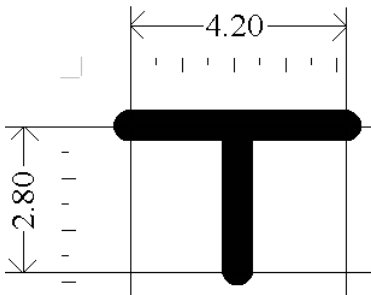
Called by CSP etc.: CSP TOPMAR01

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	

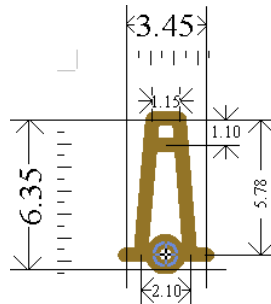
Symbol Name:	<b>SY(TOWERS01)</b>	RN: 407
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Symbol Explanation: tower

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 0.3mm; circle diameter 1.14 mm

Examples on ENC: N/A

#### References:

S57	INT 1	
LNDMRK	E 20; G 68	(E 20)
		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: yellow; padding: 5px; text-align: center;">  </div> <div style="background-color: yellow; padding: 5px; text-align: center;">Tr</div> </div>
SILTNK	Not specified	

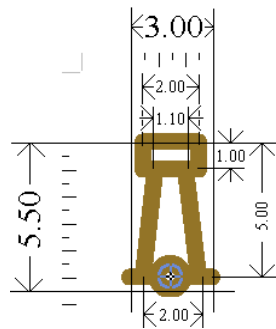
Symbol Name:	SY(TOWERS02)	RN: 408
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Symbol Explanation: water tower

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 0.3mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:	
S57	INT 1
SILTNK	E 21
	

Symbol Name:

SY(TOWERS03)

RN: 409

Symbol Explanation: conspicuous tower

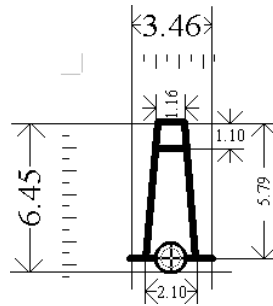
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6mm; circle diameter 1.12 mm

Examples on ENC:

N/A

References:

S57	INT 1	
LNDMRK	E 2, 20; G 68	(E 20)
		 
SILTNG	Not specified	

Symbol Name:	SY(TOWERS05)	RN: 410
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Symbol Explanation: radio, television tower

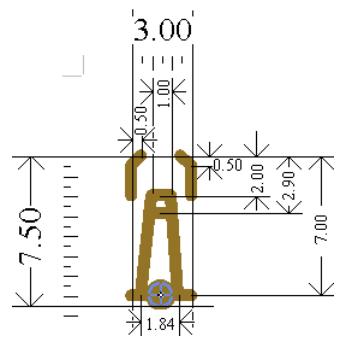
Look up table affected: N/A

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 0.3mm; circle diameter 1.0 mm

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 29	(E 29) 

Symbol Name:

SY(**TOWERS12**)

RN: 411

Symbol Explanation: conspicuous water tower

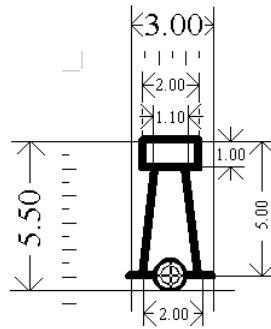
Look up table affected: paper chart point symbols  
simplified point symbols

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 0.6mm; circle diameter 1.0 mm

Examples on ENC:

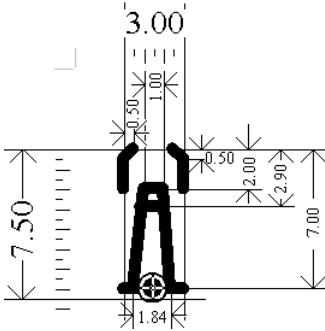
N/A

References:

S57	INT 1		
SILTNK	E 2, 21		

Symbol Name:	SY(TOWERS15)	RN: 412
--------------	--------------	---------

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:	<div></div> 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)
	<div></div>



Symbol Name:	SY(TREPNT04)	RN: 413
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Symbol Explanation:            general symbol for a tree

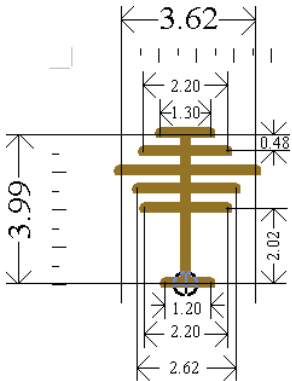
Look up table affected:        N/A

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)  Wooded

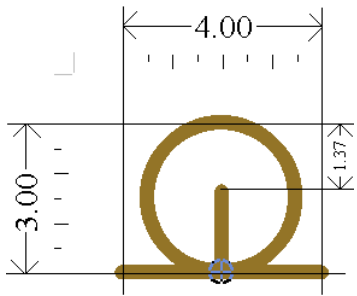
Symbol Name:	SY(TREPNT05)	RN: 414
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Symbol Explanation: mangrove

Look up table affected: N/A

Pivot Point Column: 2.00  
Pivot Point Row: 3.00

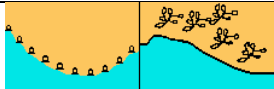
Width of Bounding Box: 4.00  
Height of Bounding Box: 3.00



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
	

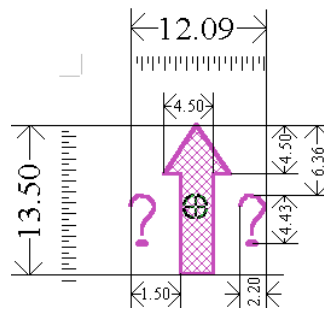
Symbol Name:	<b>SY(TSLDEF51)</b>	RN: 415
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Symbol Explanation: one way lane of a traffic separation scheme, with the direction not defined in the data



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

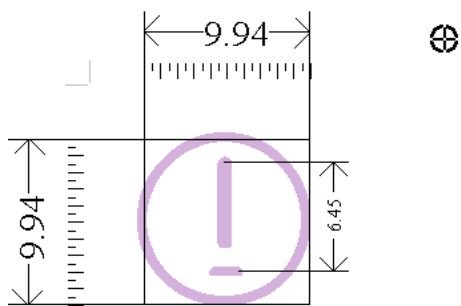
Symbol Name:	SY(TSSCRS51)	RN: 416
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Symbol Explanation: traffic crossing area

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)

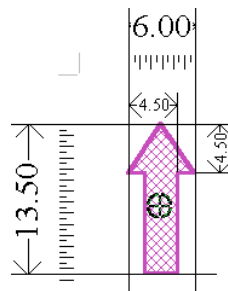
RN: 417

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	

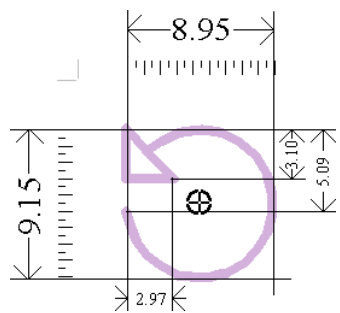
Symbol Name:	SY(TSSRON51)	RN: 418
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Symbol Explanation: traffic roundabout

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	

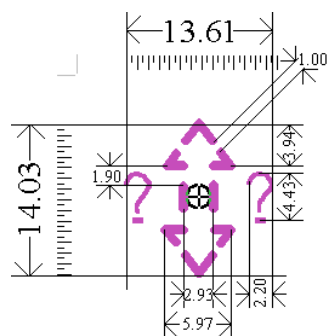
Symbol Name:	SY(TWRDEF51)	RN: 419
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Symbol Explanation: two way route of a traffic separation scheme, with the direction not defined in the data

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

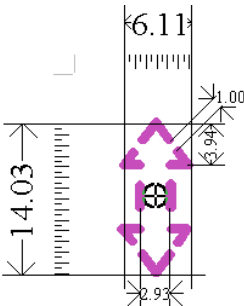
Symbol Name:	SY(TWRTPT52)	RN: 420
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Symbol Explanation: reciprocal traffic directions in a two-way route of a traffic separation scheme

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



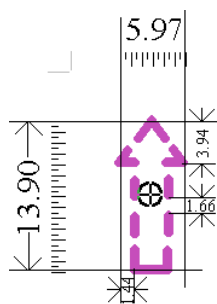
Symbol Name:	SY(TWRTPT53)	RN: 421
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Symbol Explanation: single traffic direction in a two-way route part of a traffic separation scheme

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

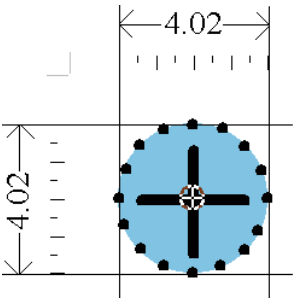
Examples on ENC: N/A

References:

S57	INT 1	
TWRTPT	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 OBSTRN07 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:	<div><div></div> DEPVS</div>
	<div><div></div> CHBLK</div>

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:	<b>SY(UWTROC04)</b>	RN: 425
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Symbol Explanation: rock which covers and uncovers or is awash at low water

Look up table affected: N/A

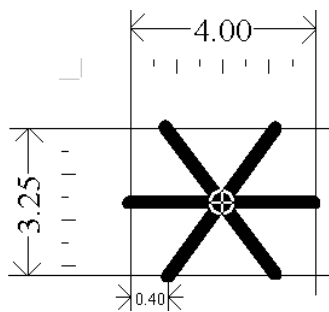
Called by CSP etc.: CSP OBSTRN07 Continuation A

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

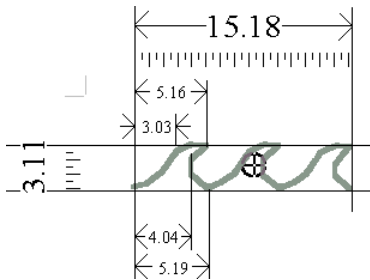
Examples on ENC: N/A


#### References:





S57	INT 1	
UWTROC	K 11, 12, 15	<p>(K 11)</p>

Symbol Name:	SY(WATTUR02)	RN: 430
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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(WEDKLP03)

RN: 434

Symbol Explanation: weed, kelp

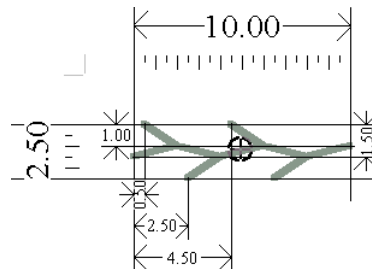
Look up table affected: paper chart point symbols  
 area symbols with plain boundaries  
 simplified point symbols  
 area symbols with symbolized boundaries

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)

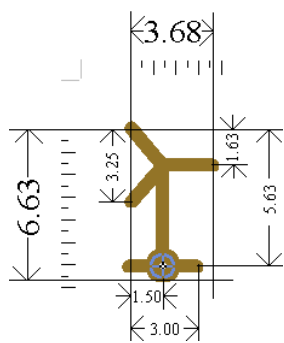
Symbol Name:	SY(WIMCON01)	RN: 435
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Symbol Explanation: wind motor

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 0.3mm; circle diameter 1.0 mm.

Examples on ENC: N/A

References:

S57	INT 1	
LNDMRK	E 26	
PRDARE	Not specified	

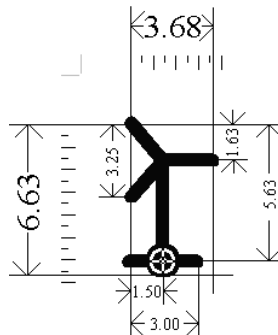
Symbol Name:	<b>SY(WIMCON11)</b>	RN: 436
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Symbol Explanation: conspicuous wind motor

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:  CHBLK

Comments: Line weight 0.6 mm; circle diameter 1.0 mm.

Examples on ENC: N/A

#### References:

S57	INT 1	
LNDMRK	E 2, 26	i
PRDARE	Not specified	





Symbol Name:

SY(WNDFRM61)

RN: 438

Symbol Explanation: conspicuous wind generator farm

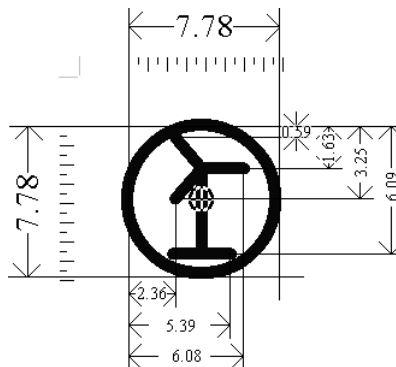
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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

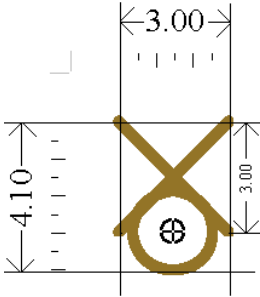
Look up table affected: paper chart point symbols

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)
	

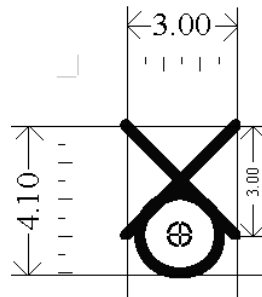
Symbol Name:	<b>SY(WNDMIL12)</b>	RN: 440
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Symbol Explanation: conspicuous windmill

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 0.6mm; circle diameter 2.20 mm

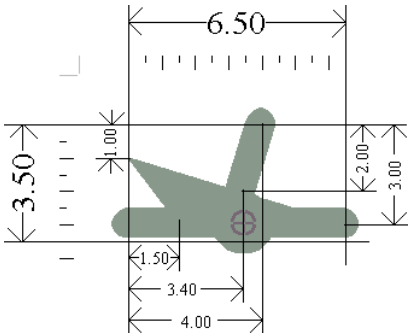
Examples on ENC: N/A

#### References:

S57	INT 1	
LNDMRK	E 2, 25.1, 25.2	(E 25.1)
		

Symbol Name:	SY(WRECKS01)	RN: 441
--------------	--------------	---------

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 WRECKS05 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:	<div><div></div> CHGRD</div>
Comments:	Line weight 0.9 mm; circle diameter 1.0 mm
Examples on ENC:	N/A

References:	
S57	INT 1
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

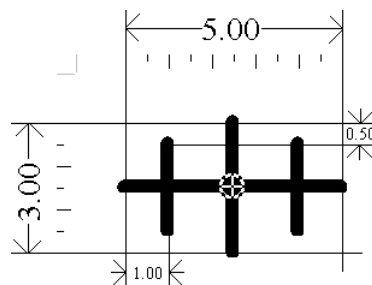
Called by CSP etc.: CSP WRECKS05 Continuation A

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:

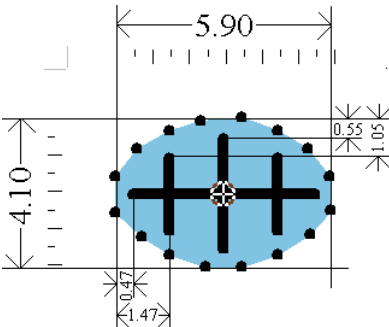
N/A

References:

S57	INT 1	
WRECKS	K 26, 27, 29, 30	(K 29)
		++

Symbol Name:	SY(WRECKS05)	RN: 443
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Symbol Explanation:	dangerous wreck, depth unknown
Look up table affected:	N/A
Called by CSP etc.:	CSP WRECKS05 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:	<div></div> DEPVS
	<div></div> CHBLK

Comments:	Line weight 0.3 mm Dot diameter 0.3 mm; 16 dots around the ellipse
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Examples on ENC:	N/A
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References:

S57	INT 1	
WRECKS	K 22, 23, 26, 27, 28, 30	(K 28)

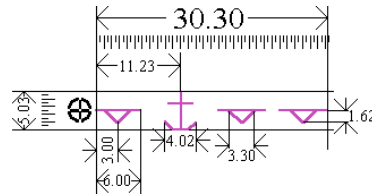
## 2. Complex Linestyles

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Symbol Name:	LC( <b>ACHARE51</b> )	RN: 469
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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)

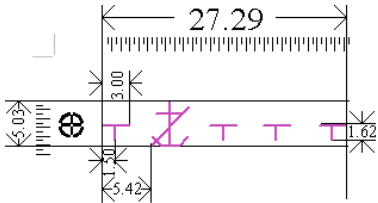
Examples on ENC: N/A

#### 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 RESARE04 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:	<div></div> 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
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Symbol Explanation: jurisdiction boundary

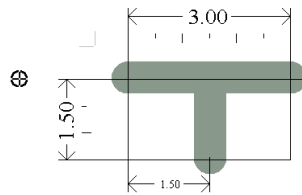
Look up table affected: area symbols with symbolized boundaries  
used in earlier versions of area symbols with symbolized boundaries

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
-----	-------

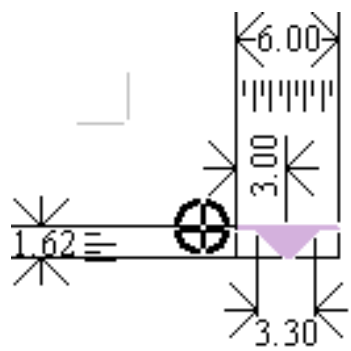
Symbol Name:	LC( <b>ARCSLN01</b> )	RN: 520
--------------	-----------------------	---------

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	
ARCSLN	M17	

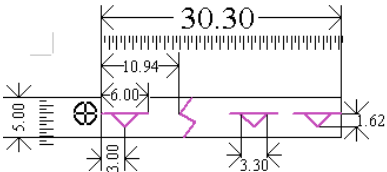
Symbol Name:	LC(CBLARE51)	RN: 472
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Symbol Explanation: boundary of a submarine cable area, power lines

Look up table affected: area symbols with symbolized boundaries

Pivot Point Column: -1.98  
Pivot Point Row: 2.00

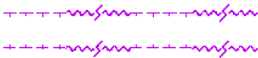
Width of Bounding Box: 30.30  
Height of Bounding Box: 5.00



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 31.2; (L 31.2) 

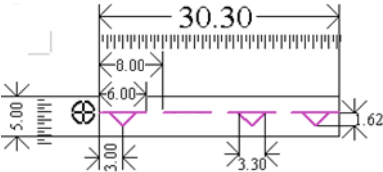
Symbol Name:	LC( <b>CBLARE52</b> )	RN: 472
--------------	-----------------------	---------

Symbol Explanation: boundary of a submarine cable area, telephone or telegraph

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;	(L 30.2)  ~~~~~ ~~~~~

Symbol Name:

LC(CBLSUB06)

RN: 473

Symbol Explanation: submarine cable, power line

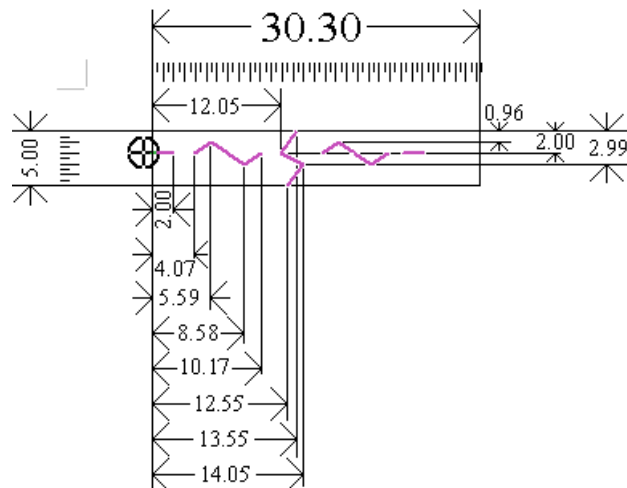
Look up table affected: line symbols

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 , 31.1	(L 31.1)

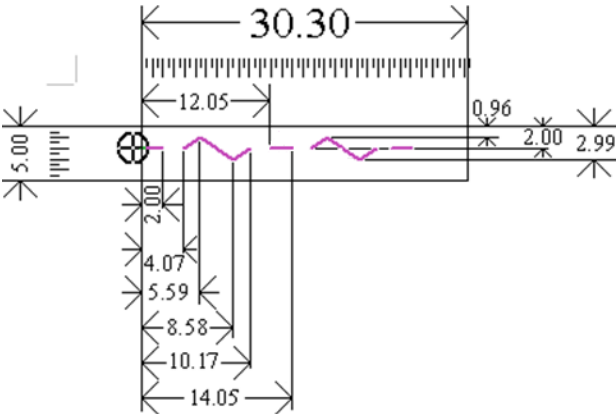
Symbol Name:	LC(CBLSUB07)	RN: 473
--------------	--------------	---------

Symbol Explanation: submarine cable, telephone or telegraph

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	(L 30.1) 



Symbol Name:	LC( <b>CBLSUB08</b> )	RN: 473
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Symbol Explanation: submarine cable, not in use (Disused)

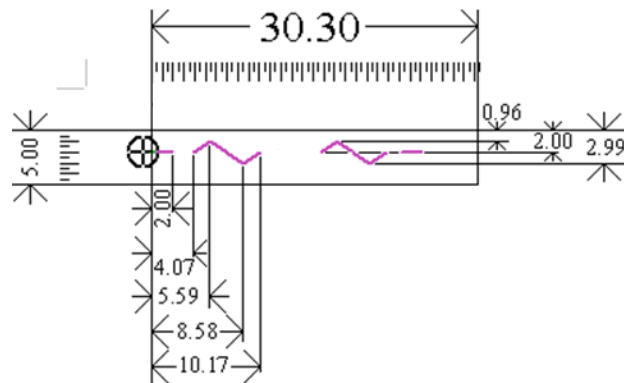
Look up table affected: line symbols

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 32	(L 32) 

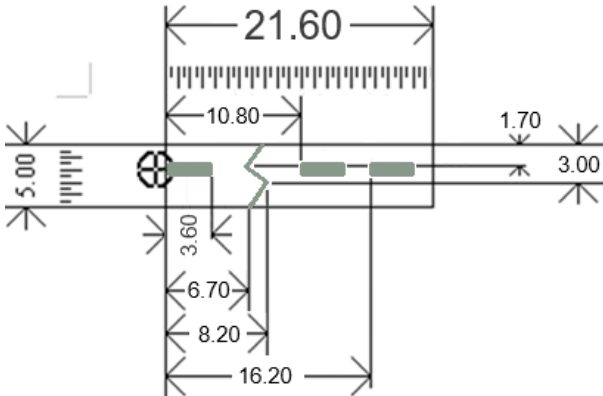
Symbol Name:	LC(CBLOHD01)	RN: 473
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Symbol Explanation: overhead cable, power line

Look up table affected: line symbols

Pivot Point Column: -0.56  
Pivot Point Row: 2.00

Width of Bounding Box: 21.60  
Height of Bounding Box: 5.00




Symbol Colours:  CHGRD

Comments: Line weight 0.3 mm, Dash weight 1.2 mm

Examples on ENC: N/A

References:

S57	INT 1	
CBLOHD	D 26.1	(D 26.1) 

Symbol Name:	LC( <b>CHCRDEL1</b> )	RN: 474
--------------	-----------------------	---------

Symbol Explanation: this line has been deleted by a manual update

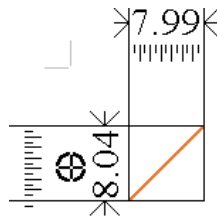
Look up table affected: N/A

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
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Symbol Name:	LC(CHCRID01)	RN: 475
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Symbol Explanation: this line has been manually updated

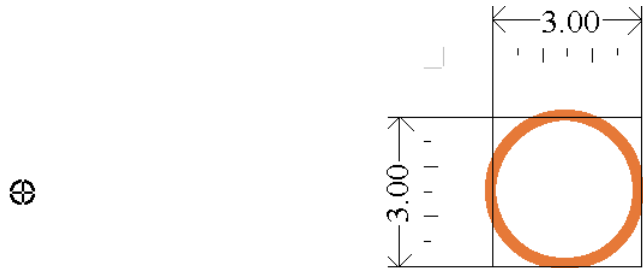
Look up table affected: N/A

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

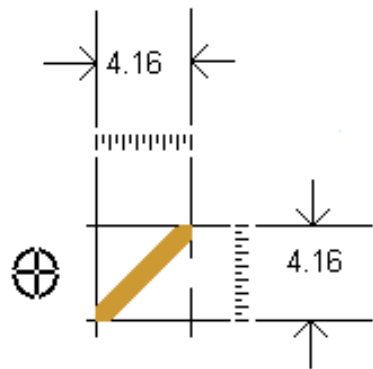
Examples on ENC: N/A

References:

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

Symbol Name:	LC( <b>CHRVDEL2</b> )	RN: 595
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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:	<div><div></div> CHCOR</div>
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:

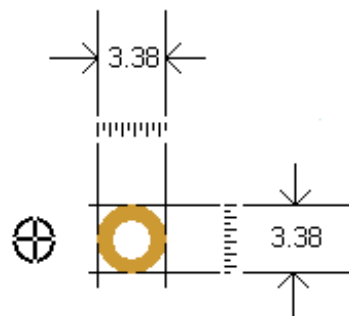
1.69

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:

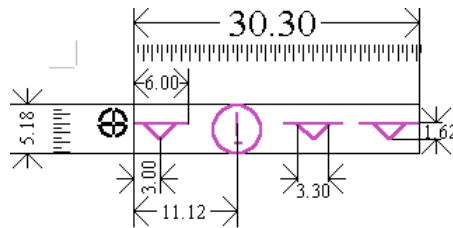
N/A

References:

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

Symbol Name:	LC(CTNARE51)	RN: 476
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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

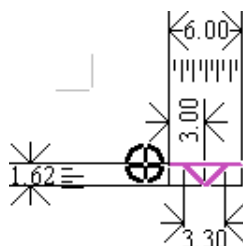
Called by CSP etc.: CSP RESARE04,  
CSP RESARE04 Continuation A, D, E

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

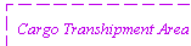
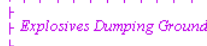


Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1	
CTSARE	N 64	 Cargo Transhipment Area
DMPGRD	N 23-24, 62.1-2	(N 23.1)  Explosives Dumping Ground
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
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Symbol Explanation: deep water route centreline, direction not defined in the data

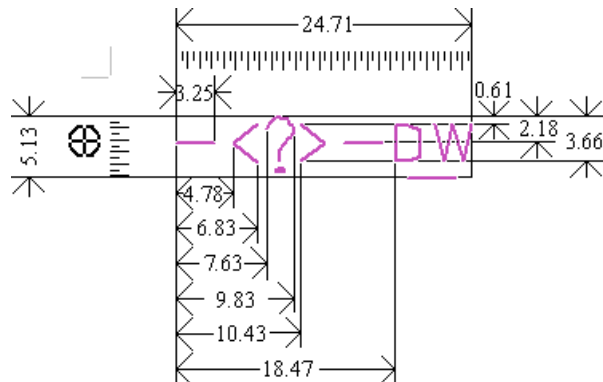
Look up table affected: line symbols

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

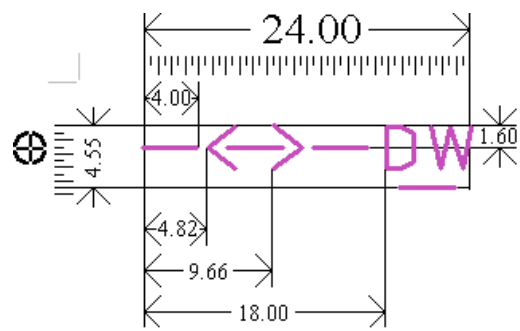
Examples on ENC: N/A


#### References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:	LC(DWRTCL05)	RN: 479
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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:	 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(DWRTCL06)	RN: 480
--------------	--------------	---------

Symbol Explanation: two-way deep water route centreline, based on fixed marks

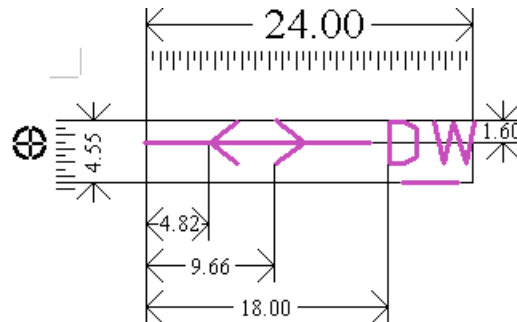
Look up table affected: line symbols

Pivot Point Column: -8.46

Pivot Point Row: 1.60

Width of Bounding Box: 24.00

Height of Bounding Box: 4.55



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm;  
Arrow and deep water symbol dimensions like line symbol LC(DWLDEF01)

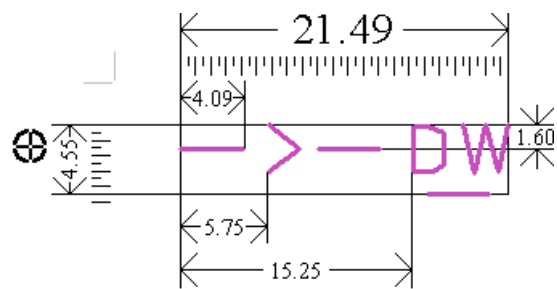
Examples on ENC: N/A


#### References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:	LC(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

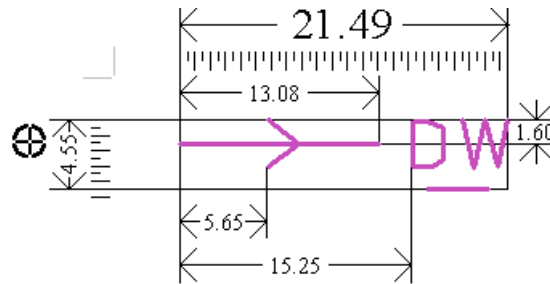
Look up table affected: line symbols

Pivot Point Column: -9.85

Pivot Point Row: 1.60

Width of Bounding Box: 21.49

Height of Bounding Box: 4.55



Symbol Colours:  TRFCD

Comments: Line weight 0.3 mm;  
Arrow and deep water symbol dimensions like line symbol LC(DWLDEF01)

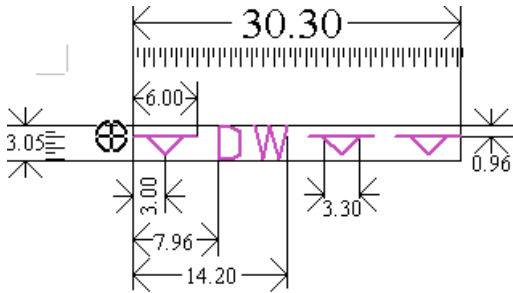
Examples on ENC: N/A

References:

S57	INT 1
DWRTCL	M 27.3

Symbol Name:	LC(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:	<div></div> 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

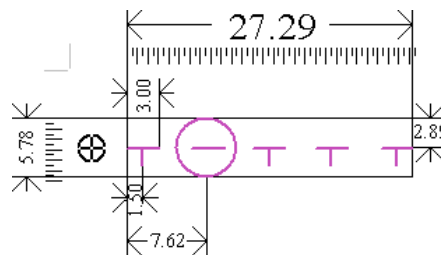
Called by CSP etc.: earlier versions of CSP RESCSP

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)

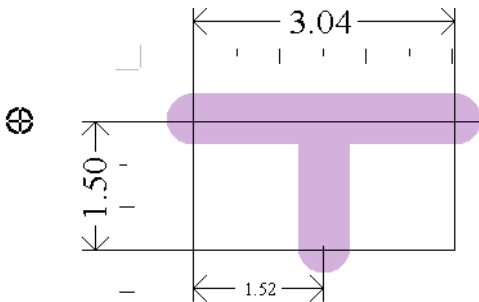
Symbol Name:	LC(ESSARE01)	RN: 586
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Symbol Explanation: boundary of an ESSA or PSSA

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( <b>FERYRT01</b> )	RN: 487
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Symbol Explanation: ferry route

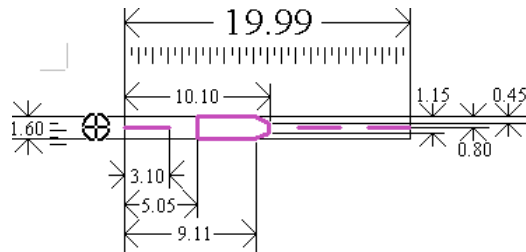
Look up table affected: line symbols

Pivot Point Column: -2.00

Pivot Point Row: 0.80

Width of Bounding Box: 19.99

Height of Bounding Box: 1.60



Symbol Colours:



Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FERYRT	M 50	

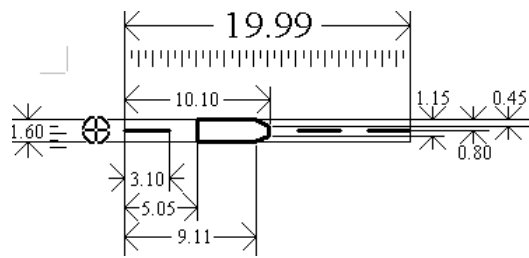
Symbol Name:	LC(FERYRT02)	RN: 488
--------------	--------------	---------

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

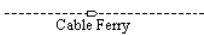


Symbol Colours: CHBLK

Comments: Line weight 0.3 mm

Examples on ENC: N/A

References:

S57	INT 1	
FERVRT	M 51	

Symbol Name:	LC( <b>FSHFAC02</b> )	RN: 489
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Symbol Explanation: fishing stakes

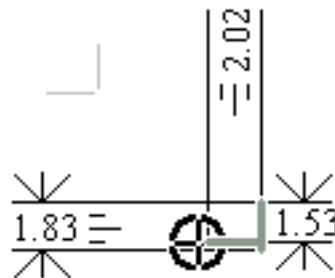
Look up table affected: line symbols

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

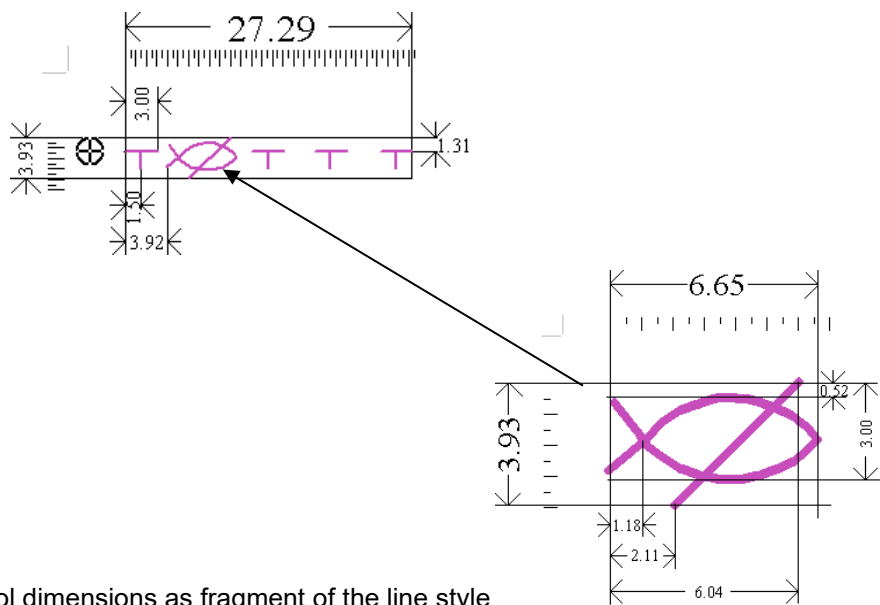
Examples on ENC: N/A

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 RESARE04 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:	LC( <b>INDHLT02</b> )	RN: 597
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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

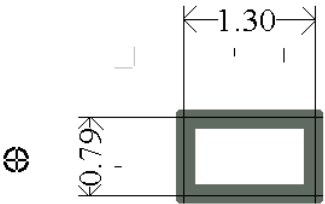
Examples on ENC: N/A


References:

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

Symbol Name:	LC( <b>LOWACC01</b> )	RN: 492
--------------	-----------------------	---------

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

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

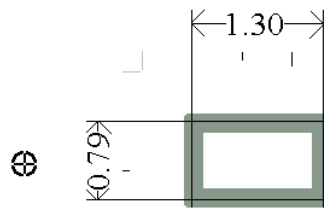
Called by CSP etc.: earlier versions of CSP DEPCNT

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
-----	-------

Symbol Name:	LC( <b>LOWACC21</b> )	RN: 494
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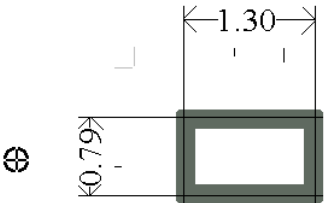
Symbol Explanation: coastline or shoreline construction of low accuracy in position

Look up table affected: N/A

Called by CSP etc.: CSP QUALIN01,  
CSP SLCONS04,  
CSP SLCONS04 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

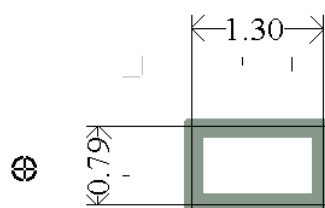
Called by CSP etc.: CSP OBSTRN07 Continuation B

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(**LOWACC41**)

RN: 496

Symbol Explanation: danger line of low accuracy surrounding a foul area

Look up table affected: N/A

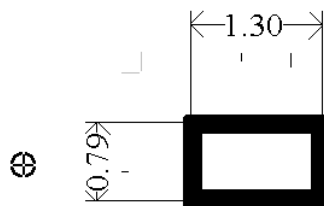
Called by CSP etc.: CSP OBSTRN07 Continuation B,  
CSP WRECKS05 Continuation B

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( <b>MARSYS51</b> )	RN: 497
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Symbol Explanation: boundary between IALA-A and IALA-B systems of lateral buoys and beacons

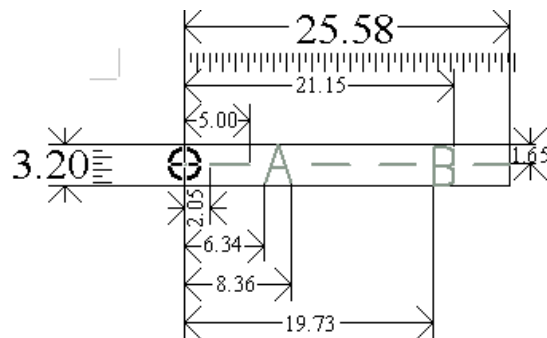
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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

Symbol Explanation: boundary of a navigation feature such as a fairway, magnetic anomaly, etc.

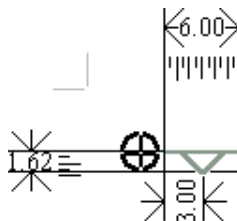
Look up table affected: area symbols with symbolized boundaries

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**)

RN: 588

Symbol Explanation: new object

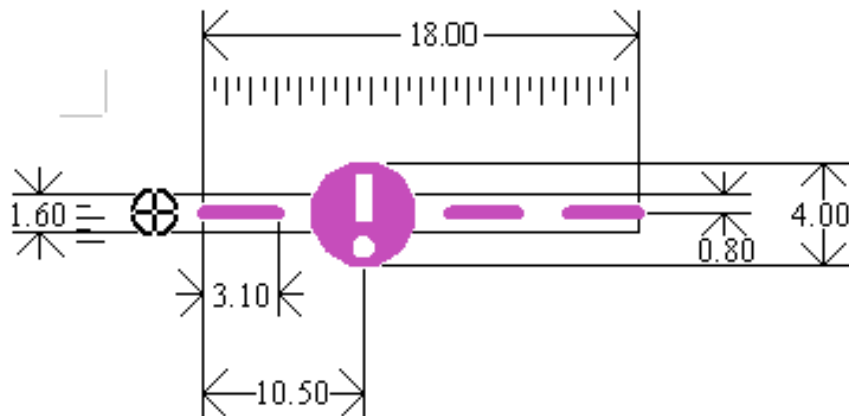
Look up table affected: line symbols

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

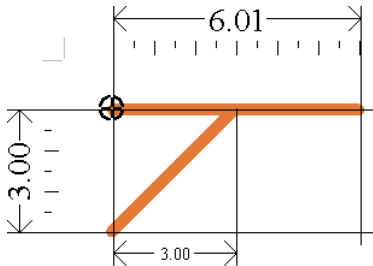
Examples on ENC: N/A


## References:

S57 E3.1.1	INT 1
NEWOBJ	N/A

Symbol Name:	LC( <b>NONHODAT</b> )	RN: 491
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Symbol Explanation:	boundary of non-HO data
Look up table affected:	N/A
Pivot Point Column:	-0.01
Pivot Point Row:	-0.01
Width of Bounding Box:	6.01
Height of Bounding Box:	3.00



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

References:	
S57	INT 1

Symbol Name:	LC(PIPARE51)	RN: 499
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Symbol Explanation: boundary of a submarine pipeline area with potentially dangerous contents

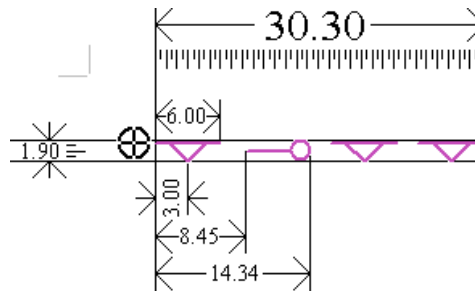
Look up table affected: area symbols with symbolized boundaries

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)  <i>Oil</i> <i>Gas (see Note)</i> <i>Chem</i> <i>Water</i>





Symbol Name:	LC( <b>PIPSOL05</b> )	RN: 501
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Symbol Explanation: oil, gas pipeline, submerged or on land

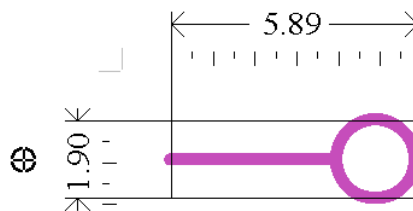
Look up table affected: line symbols

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	<p>(D 29)</p> <p>(L 42)</p> <p><i>Buried 1,6m</i></p> <p>(L 44)</p>

Symbol Name:	LC(PIPSOL06)	RN: 502
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Symbol Explanation: water pipeline, sewer, etc.

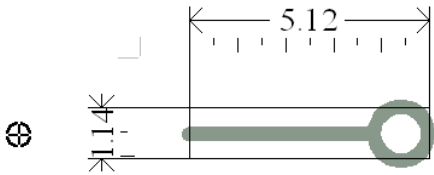
Look up table affected: line symbols

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	<div><div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>Water</div></div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>Outfall</div></div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>Sewer</div></div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>Intake</div></div></div></div>

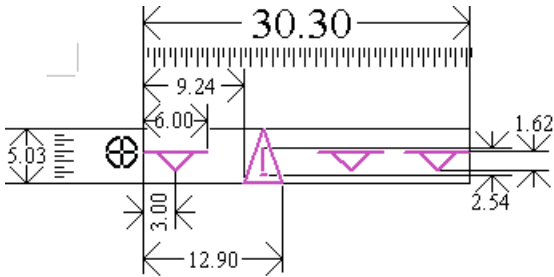
Symbol Name:	LC( <b>PRCARE51</b> )	RN: 504
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Symbol Explanation: boundary of a precautionary area

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

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:

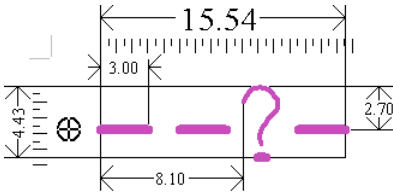
2.70

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

Symbol Explanation: regulated recommended route centreline, details not defined

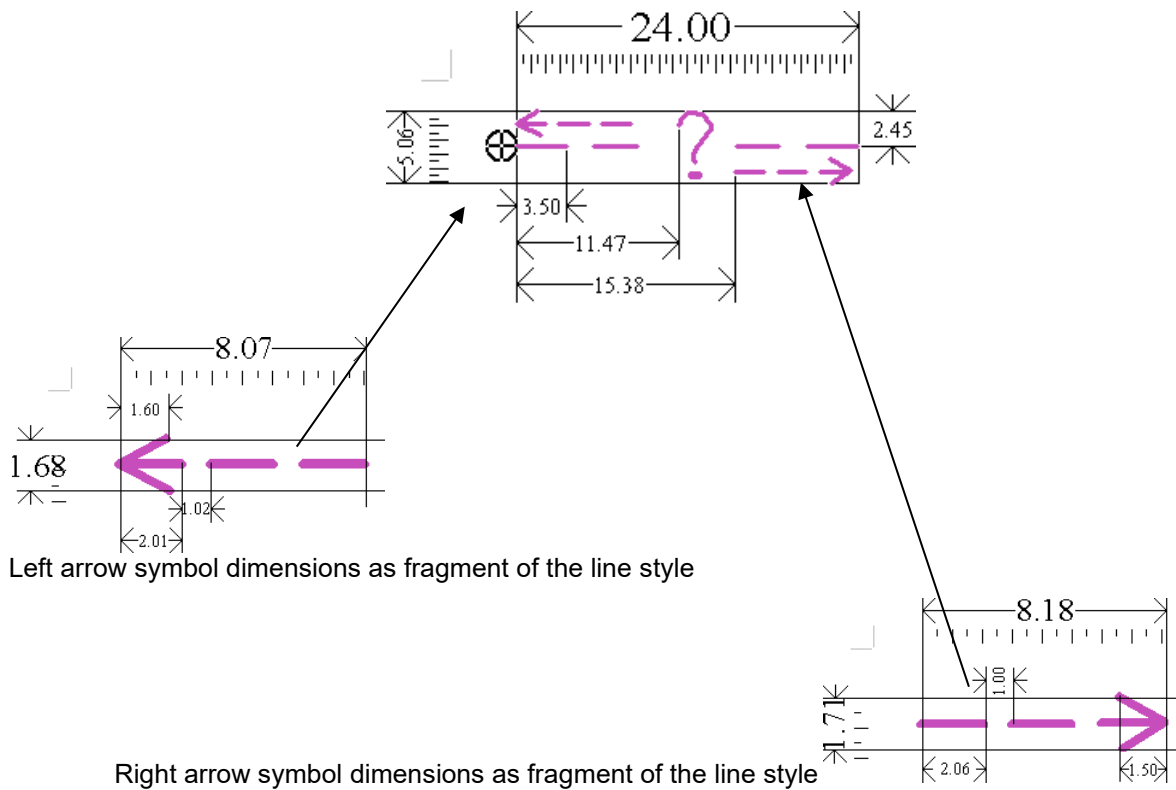
Look up table affected: line symbols

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

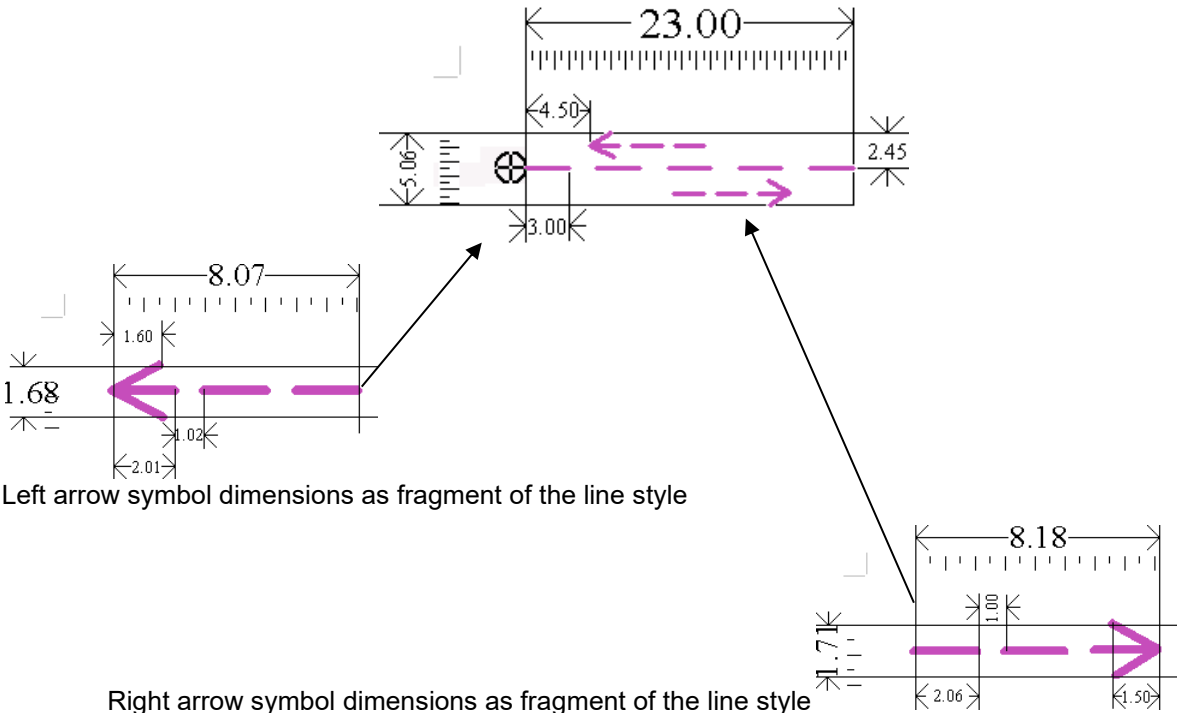
Symbol Name:	LC(RCRTCL11)	RN: 507
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Symbol Explanation: regulated two-way recommended route centreline, not based on fixed marks

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
RCRTCL	M 28.1

Symbol Name:

LC(RCRTC12)

RN: 508

Symbol Explanation: regulated one-way recommended route centreline, not based on fixed marks

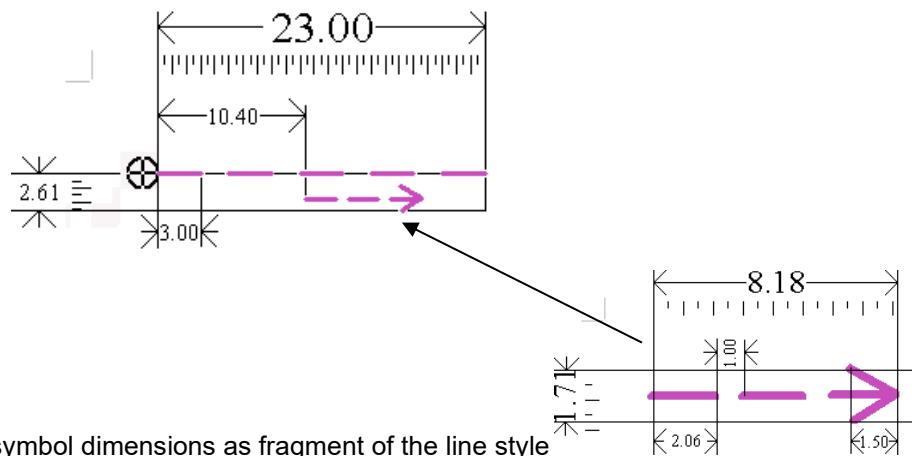
Look up table affected: line symbols

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
RCRTC1	M 28.1

Symbol Name:	LC(RCRTC <b>L13</b> )	RN: 509
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Symbol Explanation: regulated two-way recommended route centreline, based on fixed-marks

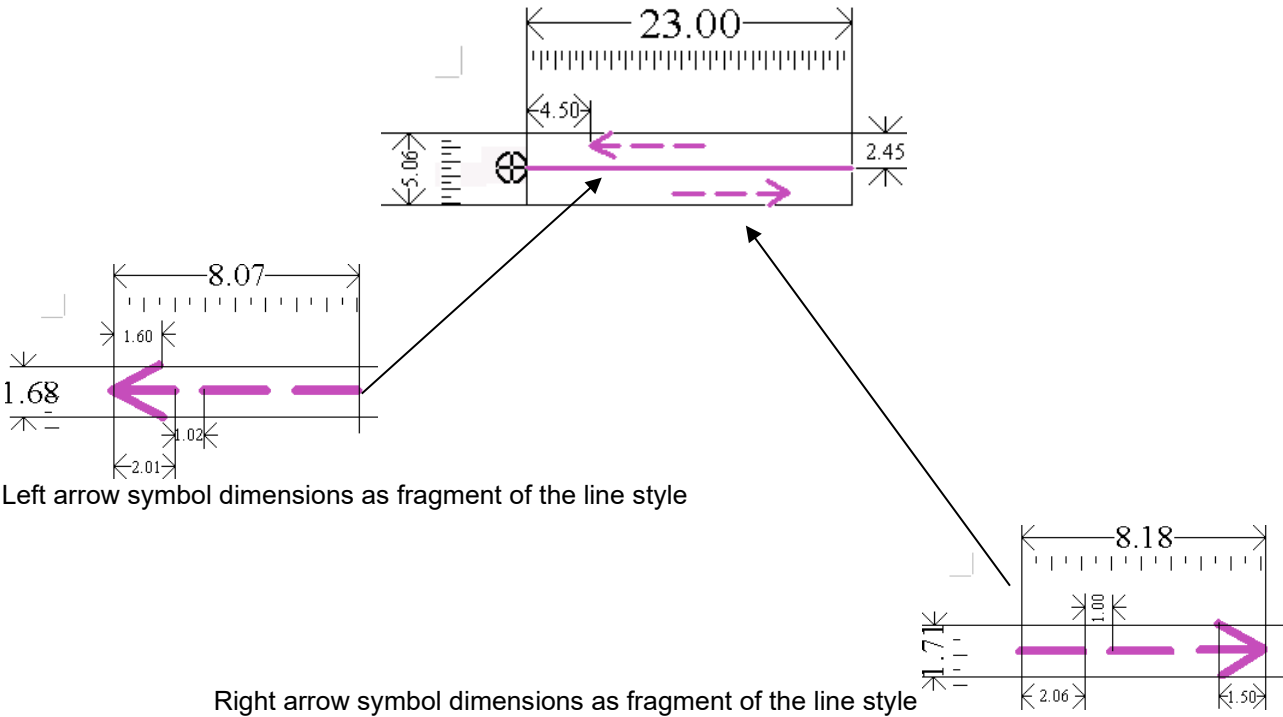
Look up table affected: line symbols

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
RCRTC	M 28.1



Symbol Name:

LC(RCRTCL14)

RN: 510

Symbol Explanation: regulated one-way recommended route centreline, based on fixed marks

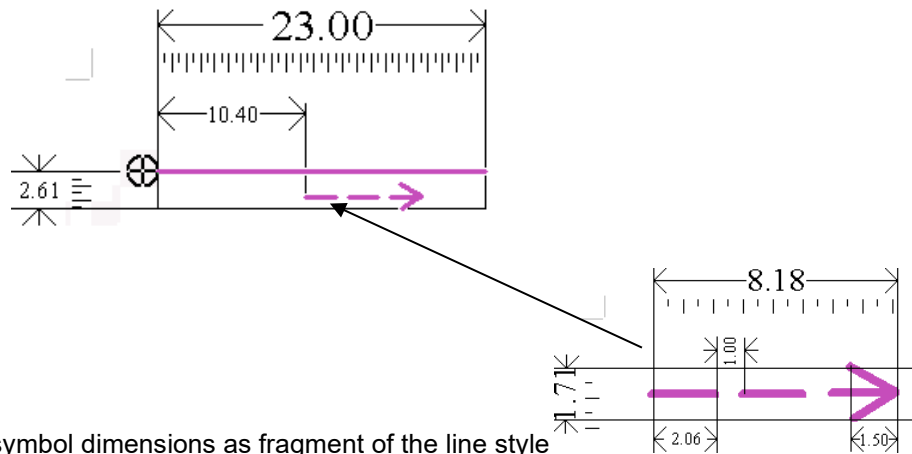
Look up table affected: line symbols

Pivot Point Column: -0.50

Pivot Point Row: 0.00

Width of Bounding Box: 23.00

Height of Bounding Box: 2.61



Symbol Colours:



TRFCD

Comments:

Line weight 0.3 mm

Examples on ENC:

N/A

References:

S57	INT 1
RCRTCL	M 28.1

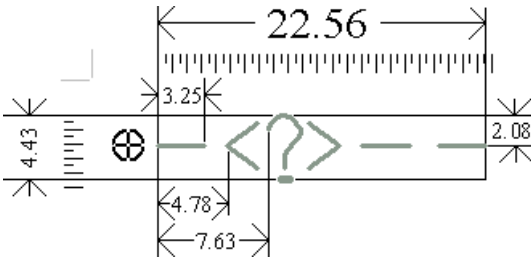
Symbol Name:	LC(RECDEF02)	RN: 511
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Symbol Explanation: non-regulated recommended track, direction not defined in data

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

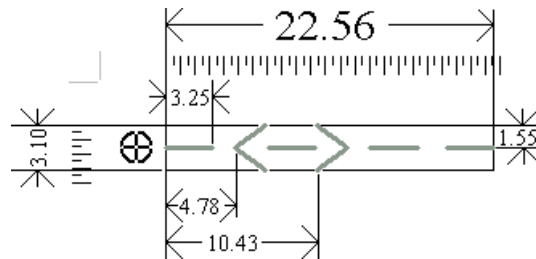
Look up table affected: line symbols

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) <div style="text-align: center;"> <math>090,5^{\circ}</math> <math>270,5^{\circ}</math>            ---&lt;---&gt;---            -----&lt;---&gt;-----         </div>

Symbol Name:	LC( <b>RECTRC10</b> )	RN: 153
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Symbol Explanation: non-regulated recommended two-way track, based on fixed-marks

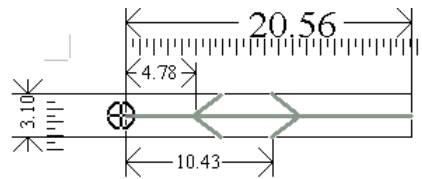
Look up table affected: line symbols

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 Bns <math>\nless 090,5^{\circ}</math>-270,5^{\circ}</u>

Symbol Name:	LC( <b>RECTRC11</b> )	RN: 514
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Symbol Explanation: non-regulated recommended one-way track, not based on fixed marks

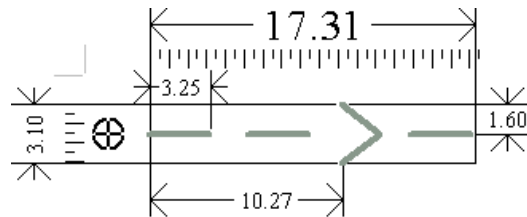
Look up table affected: line symbols

Pivot Point Column: -1.96

Pivot Point Row: 1.60

Width of Bounding Box: 17.31

Height of Bounding Box: 3.10



Symbol Colours:  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) --<-----<-----

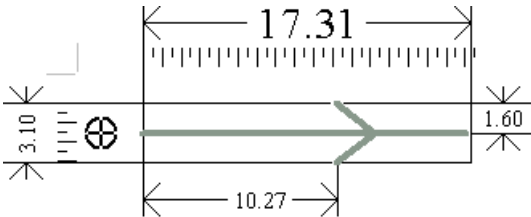
Symbol Name:	LC( <b>RECTRC12</b> )	RN: 515
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Symbol Explanation: non-regulated recommended one-way track, based on fixed marks

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)

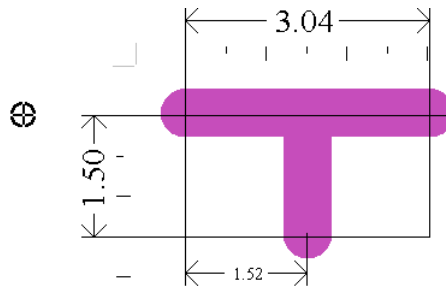
Examples on ENC: N/A

References:

S57	INT 1	
RECTRC	M 1, 3-6, 32.2; P 20.1, 20.2, 30.2	(M 5.1) 

Symbol Name:	LC( <b>RESARE51</b> )	RN: 516
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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



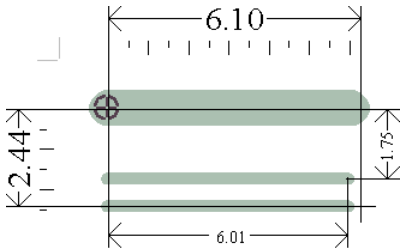
Symbol Colours:	<span style="display: inline-block; width: 15px; height: 15px; background-color: magenta; border: 1px solid black;"></span> CHMGD
Comments:	Line weight 0.3 mm
Examples on ENC:	N/A

## References:

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

Symbol Name:	LC( <b>SCLBDY51</b> )	RN: 517
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Symbol Explanation:	chart scale boundary, the double line indicates the larger scale
Look up table affected:	N/A
Pivot Point Column:	-0.01
Pivot Point Row:	0.01
Width of Bounding Box:	6.10
Height of Bounding Box:	2.44



Symbol Colours:	<div><div></div> CHGRF</div>
Comments:	Line weights 0.9 and 0.3 mm
Examples on ENC:	N/A

References:	
S57	INT 1



Symbol Name:

LC(TIDINF51)

RN: 518

Symbol Explanation: boundary of an area for which there is tidal information

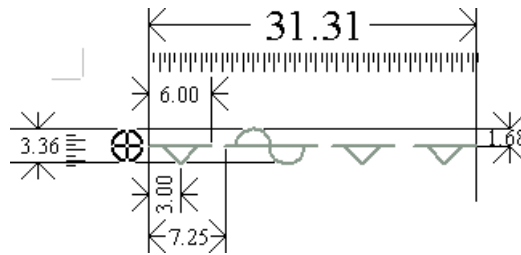
Look up table affected: area symbols with symbolized boundaries

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	

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### **3. Area Pattern**

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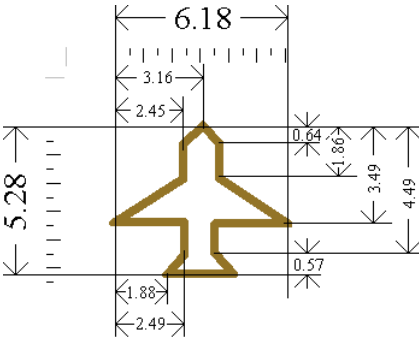
Symbol Name:	AP(AIRARE02)	RN: 444
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Symbol Explanation: pattern of symbols for an airport area

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

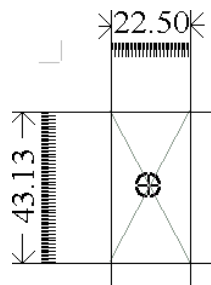
Comments: Line weight 0.3 mm


Examples on ENC: N/A

References:	
S57	INT 1
AIRARE	D 17
	

Symbol Name:	AP(DIAMOND1)	RN: 445
--------------	--------------	---------

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

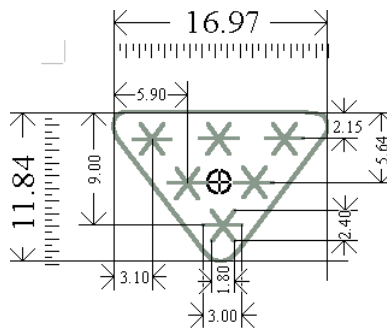
Symbol Name:	AP(DQUALA11)	RN: 446
--------------	--------------	---------

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:

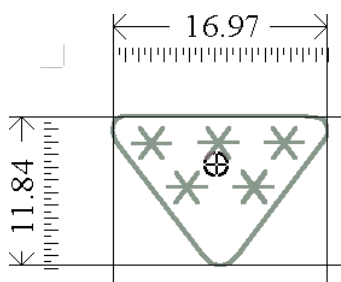
3.91

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	



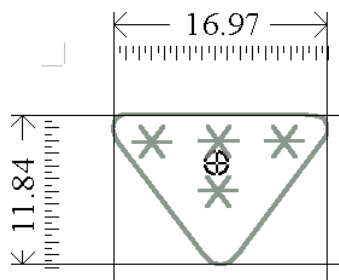
Symbol Name:	AP(DQUALB01)	RN: 448
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Symbol Explanation: pattern of symbols for a chart with 50m accuracy from standard survey based on lines of continuous soundings

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

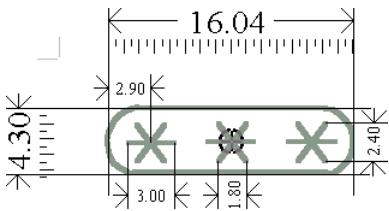
Symbol Name:	AP(DQUALC01)	RN: 449
--------------	--------------	---------

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	

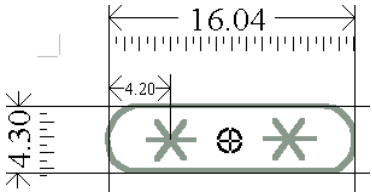
Symbol Name:	AP(DQUALD01)	RN: 450
--------------	--------------	---------

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	

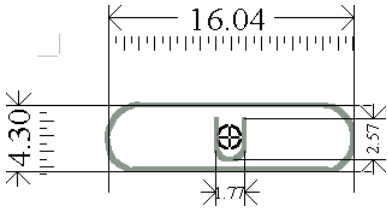
Symbol Name:	AP(DQUALU01)	RN: 451
--------------	--------------	---------

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

Symbol Explanation: dredged area

Look up table affected: N/A

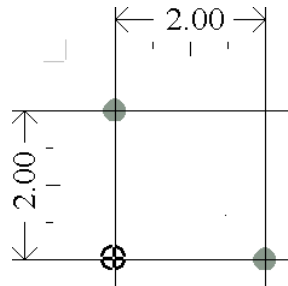
Called by CSP etc.: CSP DEPARE03

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 0.3 mm.

Examples on ENC: N/A

References:

S57	INT 1	
DRGARE	I 20-23	(I 21)  7,0 m 

Symbol Name:

AP(FOULAR01)

RN: 453

Symbol Explanation: foul area, not safe for navigation

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

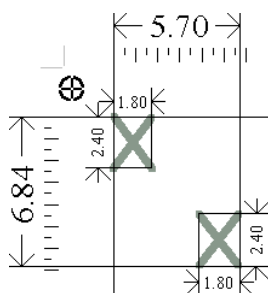
Called by CSP etc.: CSP OBSTRN07 Continuation C

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, 40-42, 43.1, 46.1, 46.2	(K 40)
		 Obstrn  Obstrn

Symbol Name:	AP(FSHFAC03)	RN: 454
--------------	--------------	---------

Symbol Explanation: pattern of symbols for an area with fishing stakes

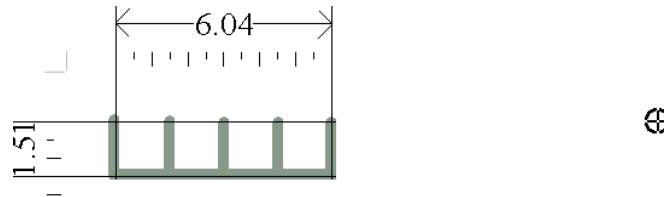
Look up table affected: area symbols with plain boundaries

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

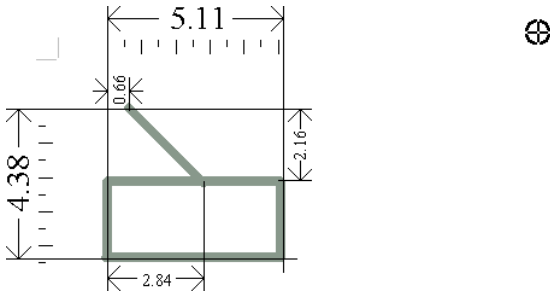
Examples on ENC: N/A

#### 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) <div style="display: flex; justify-content: space-around;"><div style="border: 1px dashed black; padding: 2px; font-size: 0.8em;">Fish Traps</div><div style="border: 1px dashed black; padding: 2px; font-size: 0.8em;">Tunny Nets</div></div>



Symbol Name:

AP(FSHHAV02)

RN: 456

Symbol Explanation: pattern of symbols for a fish haven

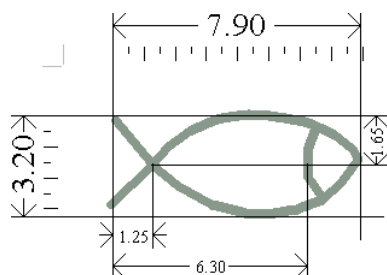
Look up table affected: area symbols with plain boundaries

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

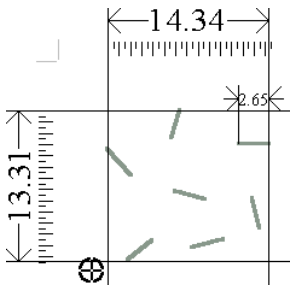
Symbol Name:	AP(ICEARE04)	RN: 457
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Symbol Explanation: continuous pattern for an ice area (glacier, etc.)

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

Pivot Point Column: -1.31  
Pivot Point Row: 14.35

Width of Bounding Box: 14.34  
Height of Bounding Box: 13.31



Symbol Colours:  CHGRD


Pattern Type: Linear  
Pattern Spacing: Constant

Minimum Distance: 0.00  
Maximum Distance: 0.00

Comments: 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) 

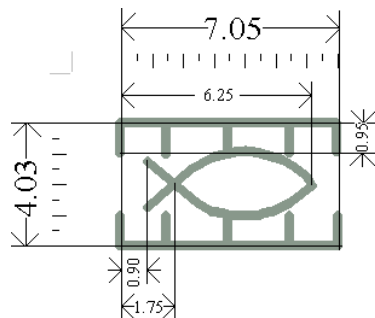
Symbol Name:	AP(MARCUL02)	RN: 458
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Symbol Explanation: pattern of symbols for a marine farm

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	<p>(K 47)</p> <p><i>Shellfish Beds</i> (see Note)</p> <p>(K 48.1)</p> <p>(see Note)</p> <p>(K 48.2)</p>

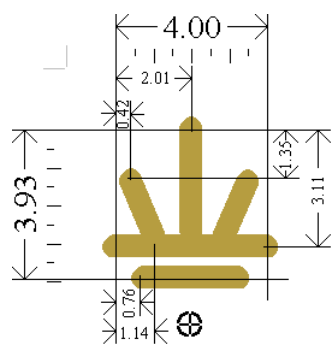
Symbol Name:	AP(MARSHES1)	RN: 459
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Symbol Explanation: pattern of symbols for a marsh

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

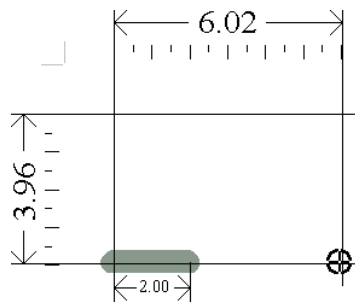
Comments: Line weight 0.6 mm


Examples on ENC: N/A

References:	
S57	INT 1
LNDGRN	C 33

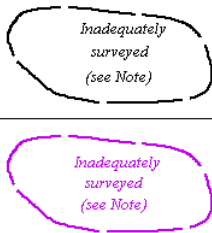
Symbol Name:	AP( <b>NODATA03</b> )	RN: 460
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Symbol Explanation:	area of no chart data
Look up table affected:	area symbols with plain boundaries area symbols with symbolized boundaries
Pivot Point Column:	6.00
Pivot Point Row:	3.95
Width of Bounding 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	

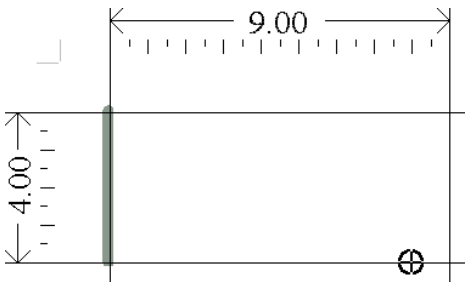
Symbol Name:	AP(OVERSC01)	RN: 461
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Symbol Explanation: over scale part of a display containing data from more than one navigation purpose

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

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( <b>PRTSUR01</b> )	RN: 462
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Symbol Explanation: incompletely surveyed area

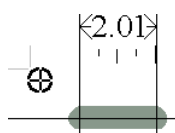
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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

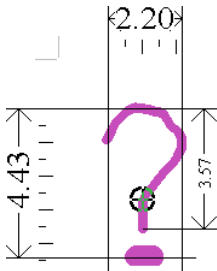
Examples on ENC: N/A


#### References:

S57	INT 1	
DEPARE	Not specified	

Symbol Name:	AP(QUESMRK1)	RN: 463
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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
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Symbol Explanation: rock or coral drying ledges

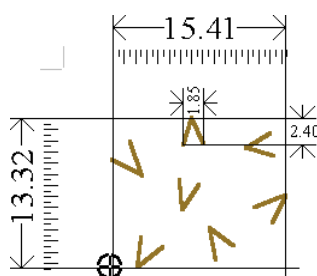
Look up table affected: area symbols with plain boundaries  
area symbols with symbolized boundaries

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.

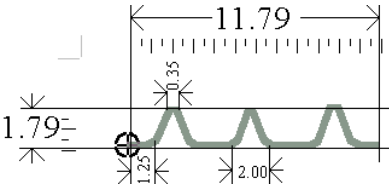
Examples on ENC: N/A


#### 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
	

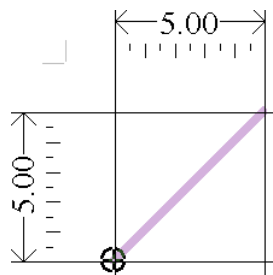
Symbol Name:	AP(TSSJCT02)	RN: 466
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Symbol Explanation: precautionary area or a traffic separation scheme crossing or roundabout

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:  TRFCF


Pattern Type: Linear  
Pattern Spacing: Constant

Minimum Distance: 0.00  
Maximum Distance: 0.00

Comments: Line weight 0.3 mm

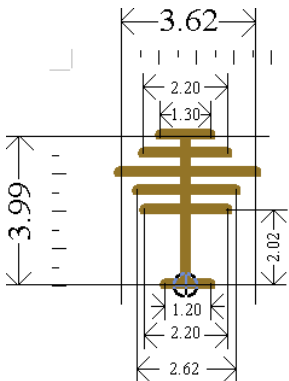
Examples on ENC: N/A

#### References:

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

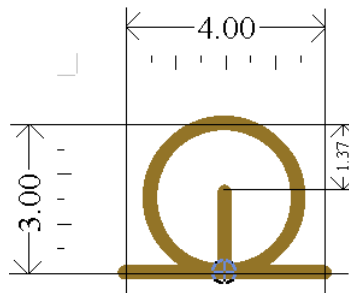
Examples on ENC: N/A


References:

S57	INT 1	
VEGATN	C 14, 30, 31.1-31.8; G 37-39	<div>(C 30)  W o o d e d</div> <div>(C 31.4) </div>

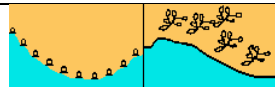
Symbol Name:	AP(VEGATN04)	RN: 468
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Symbol Explanation:	pattern of symbols for mangroves
Look up table affected:	area symbols with plain boundaries area symbols with symbolized boundaries
Pivot Point Column:	2.00
Pivot Point Row:	3.00
Width of Bounding 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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