

DAYS MARKS

GRP

MSM offers a wide range of days marks for Aids to Navigation made from GRP, UV resistant. They are designed to provide a great mechanical stability and a colorimetric appearance stable throughout its service life.

Adaptable to any type of support structure

They can be adapted and dimensioned for any type of support structure where the nav aids are located, they are available up to 3000 x 1490 mm.

Tricolour machinable plates available

We also provide tricolour machinable plates for numbering and symbols, so that they remain unalterable over the time.

Without need of maintenance, they contribute to save resources and respect the environment.

Designed according to ALA Recommendations.



FEATURES

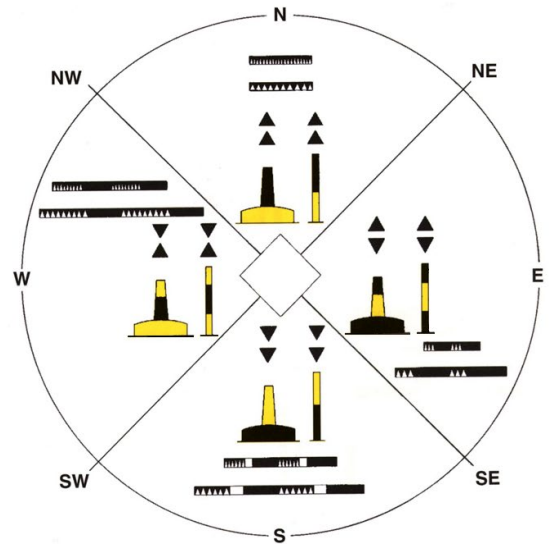
- *Solid-body appearance from all observation points.*
- *Lightweight, robustness and resistance to marine environment.*
- *Highly resistant to UV rays.*
- *Easy replacement of any element.*
- *Stainless-steel bolts.*
- *Colours according to IALA Recommendations.*
- *Fitting and dimensioning to all type of structures.*
- *Dimensions according to IALA Guideline 1094 "Day Marks for Marine Aids to Navigation".*
- *Possibility of longer visual ranges.*
- *Tricolour machinable plates for customized numbering or symbols.*
- *Optional specific configurations and colours under request.*

DAYS MARKS FOR AIDS TO NAVIGATION

CHROMATIC COORDINATES

Measurements done according to CIE 1931 Specifications with geometry 45°/0° for standard illuminant D65

COLOR	X	Y
Green	0.1350	0.5597
Yellow	0.4782	0.4726
Red	0.6292	0.3265
Blue	0.1521	0.1544



! Specifications subject to change without previous notice.

TYPICAL RANGE VALUES OF A MARK

(3' Perception angle (0.873 Mrad))

Range (km)	1	2	3	4	5	10	15
Range (km)	0.54	1.08	1.62	2.16	2.70	5.40	8.10
Equivalent square side	0.87	1.75	2.62	3.49	4.37	8.73	13.09

FIBRE GLASS REINFORCED POLYESTER PROPERTIES

	Value	Measuring unit
FLEXILE STRENGTH	300-600	Mpa
TENSILE STRENGTH	400-650	Mpa
COMPRESSION STRENGTH	150-300	Mpa
ELASTICITY COEFFICIENT	15,000-32,000	Mpa
IMPACT RESISTANCE	150	daN cm/cm ²
HARDNESS	50	barcol
THERMIC RESISTANCE	De -65 a +180	°C