



## INDUSTRY STANDARDS

NEMA Type 6, 6P  
IP67/68 IEC 60529  
IK10 Impact Resistant  
MIL-STD-810, MIL-STD-285

## APPLICATION

The NAV-6P MARINE SUBMERSIBLE ENCLOSURE offers reliable protection for shipboard systems, Naval vessels and marine electronic hardware deployed in the harshest environments. Manufactured from Type 316 Stainless Steel this Enclosure series has hermetic sealing preventing any ingress of dust and water, with dual Beryllium Copper gasket to insure complete 360° EMC/RFI immunity. The NAV-6P offers a COTS range of corrosion resistant enclosures and accessories, delivering a proven and flexible enclosure system to Naval specification.

## MODIFICATION AND CUSTOMIZATION

SLAYSON® excels at modifying and customizing all our products to meet your exact specifications. Whether you require, connector through hole cutouts, welded in-place accessories, or a non-standard size. Contact our experienced Engineers about your project specific solution.

## SPECIFICATIONS

- NEMA 6P and IP68
- Submersible up to 15 ft / 5 mtr (IEC 60529)
- Corrosion Resistant Salt Spray Test (ASTM B117)
- Seams continuously welded and ground smooth
- Heavy Duty removable door Hinges
- Single piece Neoprene Gasket
- Dual Gasket Beryllium Copper
- 360° Shielding EMC / EMP (MIL-STD-285)
- Internal Threaded Collar Stud locations for Internal Mount Plate [B]
- High Impact & Crush Resistance (IK10)
- Designed to withstand Shock & Vibration (MIL-STD-810)

## MATERIAL

Stainless Steel Type 316 14 gauge | 2.00mm\*

## CODE

S

## FINISH

#4 Surface Finish\*

M

\*Alternative finish & material options available

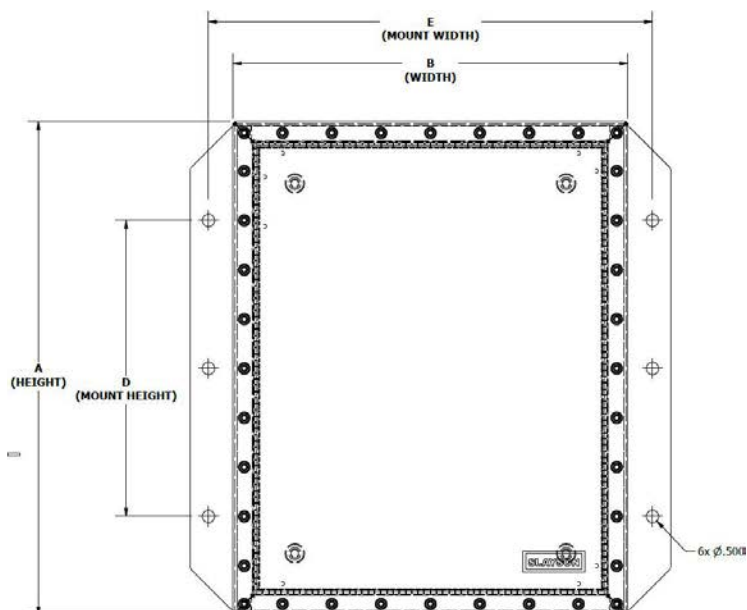
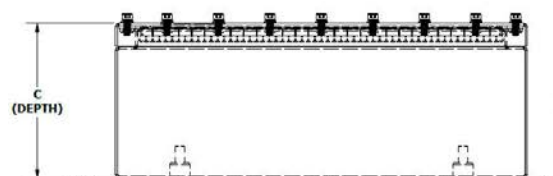
## ACCESSORIES

|                              |   |
|------------------------------|---|
| Internal Mount Plate         | B |
| Hinged Lid / Door            | H |
| Optical Window Lid / Door    | O |
| Security Lock Tab            | P |
| Nameplate                    | N |
| Captive Lid Fasteners        | C |
| Internal Swing Out Panel     | S |
| Shock & Vibration Mount Kit  | V |
| External Grounding Stud      | G |
| Lifting Eye Hooks            | L |
| Heavy Duty Gusset mount tabs | T |
| Access Door (IP66)           | A |
| Pull Handle                  | U |
| Document Pocket              | M |
| Welded In-Place Hubs         | * |
| Welded In-Place Studs        | * |
| Cable Glands / Cord grips    | * |
| NPT Cable Glands             | * |
| Integrated Thermal Heatsink  | * |
| CARC Paint System            | * |

\*Customer Modification Code is required when the Accessory component selected requires any of the following: enclosure cutouts, through holes or penetrations, customer involved design for accessory placement. This code is added in front of the part number by SLAYSON® to provide a unique identifier for customer specific engineering data.

## PART NUMBER BUILDER

| Customer Mod Code* | Material         | Imperial | A<br>Height (cm)                                                                                                | B<br>Width (cm) | C<br>Depth (cm) | Accessory Codes |
|--------------------|------------------|----------|-----------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
|                    | N S M I          |          | 2 6                                                                                                             | 2 6             | 1 6             |                 |
|                    | Enclosure Series | Finish   | For Non-Standard sizes or to add Optional Accessories use the Part Number Builder to configure the part number. |                 |                 |                 |



|                | A      |       | B     |       | C     |       | D            |       | E           |       | INTERNAL MOUNT PLATE |       |       |       |       |
|----------------|--------|-------|-------|-------|-------|-------|--------------|-------|-------------|-------|----------------------|-------|-------|-------|-------|
| PART<br>NUMBER | Height |       | Width |       | Depth |       | Mount Height |       | Mount Width |       | Height               |       | Width |       | Gauge |
|                | in     | mm    | in    | mm    | in    | mm    | in           | mm    | in          | mm    | in                   | mm    | in    | mm    |       |
| NSMI262616     | 26     | 660.4 | 26    | 660.4 | 16    | 406.4 | 22           | 558.8 | 28          | 711.2 | 24                   | 609.6 | 24    | 609.6 | 14    |
| NSMI262614     | 26     | 660.4 | 26    | 660.4 | 14    | 355.6 | 22           | 558.8 | 28          | 711.2 | 24                   | 609.6 | 24    | 609.6 | 14    |
| NSMI262214     | 26     | 660.4 | 22    | 558.8 | 14    | 355.6 | 22           | 558.8 | 24          | 609.6 | 24                   | 609.6 | 20    | 508.0 | 14    |
| NSMI262012     | 26     | 660.4 | 20    | 508.0 | 12    | 304.8 | 22           | 558.8 | 22          | 558.8 | 24                   | 609.6 | 18    | 457.2 | 14    |
| NSMI261410     | 26     | 660.4 | 14    | 355.6 | 10    | 254.0 | 22           | 558.8 | 16          | 406.4 | 24                   | 609.6 | 12    | 304.8 | 14    |
| NSMI242416     | 24     | 609.6 | 24    | 609.6 | 16    | 406.4 | 20           | 508.0 | 26          | 660.4 | 22                   | 558.8 | 22    | 558.8 | 14    |
| NSMI242414     | 24     | 609.6 | 24    | 609.6 | 14    | 355.6 | 20           | 508.0 | 26          | 660.4 | 22                   | 558.8 | 22    | 558.8 | 14    |
| NSMI242014     | 24     | 609.6 | 20    | 508.0 | 14    | 355.6 | 20           | 508.0 | 22          | 558.8 | 22                   | 558.8 | 18    | 457.2 | 14    |
| NSMI241812     | 24     | 609.6 | 18    | 457.2 | 12    | 304.8 | 20           | 508.0 | 20          | 508.0 | 22                   | 558.8 | 16    | 406.4 | 14    |
| NSMI241210     | 24     | 609.6 | 12    | 304.8 | 10    | 254.0 | 20           | 508.0 | 14          | 355.6 | 22                   | 558.8 | 10    | 254.0 | 14    |
| NSMI222214     | 22     | 558.8 | 22    | 558.8 | 14    | 355.6 | 18           | 457.2 | 24          | 609.6 | 20                   | 508.0 | 20    | 508.0 | 14    |
| NSMI222212     | 22     | 558.8 | 22    | 558.8 | 12    | 304.8 | 18           | 457.2 | 24          | 609.6 | 20                   | 508.0 | 20    | 508.0 | 14    |
| NSMI221812     | 22     | 558.8 | 18    | 457.2 | 12    | 304.8 | 18           | 457.2 | 20          | 508.0 | 20                   | 508.0 | 16    | 406.4 | 14    |
| NSMI221410     | 22     | 558.8 | 14    | 355.6 | 10    | 254.0 | 18           | 457.2 | 16          | 406.4 | 20                   | 508.0 | 12    | 304.8 | 14    |
| NSMI221008     | 22     | 558.8 | 10    | 254.0 | 08    | 203.2 | 18           | 457.2 | 12          | 304.8 | 20                   | 508.0 | 8     | 203.2 | 14    |
| NSMI202014     | 20     | 508.0 | 20    | 508.0 | 14    | 355.6 | 16           | 406.4 | 22          | 558.8 | 18                   | 457.2 | 18    | 457.2 | 14    |
| NSMI202012     | 20     | 508.0 | 20    | 508.0 | 12    | 304.8 | 16           | 406.4 | 22          | 558.8 | 18                   | 457.2 | 18    | 457.2 | 14    |
| NSMI201612     | 20     | 508.0 | 16    | 406.4 | 12    | 304.8 | 16           | 406.4 | 18          | 457.2 | 18                   | 457.2 | 14    | 355.6 | 14    |
| NSMI201210     | 20     | 508.0 | 12    | 304.8 | 10    | 254.0 | 16           | 406.4 | 14          | 355.6 | 18                   | 457.2 | 10    | 254.0 | 14    |
| NSMI201208     | 20     | 508.0 | 12    | 304.8 | 08    | 203.2 | 16           | 406.4 | 14          | 355.6 | 18                   | 457.2 | 10    | 254.0 | 14    |
| NSMI181814     | 18     | 457.2 | 18    | 457.2 | 14    | 355.6 | 14           | 355.6 | 20          | 508.0 | 16                   | 406.4 | 16    | 406.4 | 14    |
| NSMI181812     | 18     | 457.2 | 18    | 457.2 | 12    | 304.8 | 14           | 355.6 | 20          | 508.0 | 16                   | 406.4 | 16    | 406.4 | 14    |
| NSMI181612     | 18     | 457.2 | 16    | 406.4 | 12    | 304.8 | 14           | 355.6 | 18          | 457.2 | 16                   | 406.4 | 14    | 355.6 | 14    |
| NSMI181410     | 18     | 457.2 | 14    | 355.6 | 10    | 254.0 | 14           | 355.6 | 16          | 406.4 | 16                   | 406.4 | 12    | 304.8 | 14    |
| NSMI181208     | 18     | 457.2 | 12    | 304.8 | 08    | 203.2 | 14           | 355.6 | 14          | 355.6 | 16                   | 406.4 | 08    | 203.2 | 14    |
| NSMI161612     | 16     | 406.4 | 16    | 406.4 | 12    | 304.8 | 12           | 304.8 | 18          | 457.2 | 14                   | 355.6 | 14    | 355.6 | 14    |
| NSMI161610     | 16     | 406.4 | 16    | 406.4 | 10    | 254.0 | 12           | 304.8 | 18          | 457.2 | 14                   | 355.6 | 14    | 355.6 | 14    |
| NSMI161410     | 16     | 406.4 | 14    | 355.6 | 10    | 254.0 | 12           | 304.8 | 16          | 406.4 | 14                   | 355.6 | 12    | 304.8 | 14    |
| NSMI161208     | 16     | 406.4 | 12    | 304.8 | 08    | 203.2 | 12           | 304.8 | 14          | 355.6 | 14                   | 355.6 | 08    | 203.2 | 14    |
| NSMI141412     | 14     | 355.6 | 14    | 355.6 | 12    | 304.8 | 10           | 254.0 | 16          | 406.4 | 12                   | 304.8 | 06    | 152.4 | 14    |
| NSMI141410     | 14     | 355.6 | 14    | 355.6 | 10    | 254.0 | 10           | 254.0 | 16          | 406.4 | 12                   | 304.8 | 12    | 304.8 | 14    |
| NSMI141210     | 14     | 355.6 | 12    | 304.8 | 10    | 254.0 | 10           | 254.0 | 14          | 355.6 | 12                   | 304.8 | 10    | 254.0 | 14    |
| NSMI141008     | 14     | 355.6 | 10    | 254.0 | 08    | 203.2 | 10           | 254.0 | 12          | 304.8 | 12                   | 304.8 | 08    | 203.2 | 14    |
| NSMI121210     | 12     | 304.8 | 12    | 304.8 | 10    | 254.0 | 08           | 203.2 | 14          | 355.6 | 10                   | 254.0 | 06    | 152.4 | 14    |
| NSMI121208     | 12     | 304.8 | 12    | 304.8 | 08    | 203.2 | 08           | 203.2 | 14          | 355.6 | 10                   | 254.0 | 04    | 101.6 | 14    |
| NSMI121008     | 12     | 304.8 | 10    | 254.0 | 08    | 203.2 | 08           | 203.2 | 12          | 304.8 | 08                   | 203.2 | 08    | 203.2 | 14    |
| NSMI120806     | 12     | 304.8 | 08    | 203.2 | 06    | 152.4 | 08           | 203.2 | 10          | 254.0 | 08                   | 203.2 | 08    | 203.2 | 14    |
| NSMI101008     | 10     | 254.0 | 10    | 254.0 | 08    | 203.2 | 06           | 152.4 | 12          | 304.8 | 08                   | 203.2 | 06    | 152.4 | 14    |
| NSMI101006     | 10     | 254.0 | 10    | 254.0 | 06    | 152.4 | 06           | 152.4 | 12          | 304.8 | 08                   | 203.2 | 05    | 127.0 | 14    |
| NSMI100806     | 10     | 254.0 | 08    | 203.2 | 06    | 152.4 | 06           | 152.4 | 10          | 254.0 | 06                   | 152.4 | 04    | 101.6 | 14    |
| NSMI080806     | 08     | 203.2 | 08    | 203.2 | 06    | 152.4 | 04           | 101.6 | 10          | 254.0 | 06                   | 152.4 | 04    | 101.6 | 14    |
| NSMI080804     | 08     | 203.2 | 08    | 203.2 | 04    | 101.6 | 04           | 101.6 | 10          | 254.0 | 07                   | 177.8 | 05    | 127.0 | 14    |