



The NTS

# Sirius

A Type B(M) or Type A(F)  
Transport Package

## NTS supports the global nuclear market by providing standalone or end-to-end solutions to nuclear transport and logistics challenges.

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The NTS Sirius (5 off physical assets) is used to transport radioactive materials collected from UK academia, NHS sites and various other commercial organisations. It has been licensed for various contents as a **Type B(M)** and separately a **Type A(F)** transport package, in full compliance with IAEA SSR-6 requirements. Other content could be considered, subject to NTS review.

The Sirius's relatively small foot-print and mass enables it to access most facilities and although primarily focused on road transport, it could also be transported by rail and sea when integrated with appropriate ancillary equipment.



**Please ask an NTS representative for further information on design limits and plant interface requirements.**

| Sirius dimensions                     | Metres      |    |
|---------------------------------------|-------------|----|
| Overall diameter, over body           | 0.765       |    |
| Lid diameter                          | 0.650       |    |
| Shock absorber diameter               | 0.765       |    |
| Body rebate depth for trunnion flange | 0.025       |    |
| Trunnion length to back of flange     | 0.128       |    |
| Width across trunnions                | 0.971       |    |
| <b>Overall length:</b>                |             |    |
| Without lid                           | 1.070       |    |
| Without shock absorber                | 1.225       |    |
| With shock absorber                   | 1.306       |    |
| Cavity diameter                       | 0.300       |    |
| Cavity length                         | 0.676       |    |
| <b>Shell thickness:</b>               |             |    |
| Body                                  | 0.232       |    |
| Base                                  | 0.225       |    |
| Component                             | Weight (kg) |    |
| Sirius body                           | 3400        |    |
| Sirius lid                            | 403         |    |
| Sirius shock absorber                 | 65          |    |
| <b>Tare weight</b>                    | <b>3868</b> |    |
| <b>Contents</b>                       |             |    |
| 10 litre disposable liner             | 27          | –  |
| 10 litre disposable liner stool       | 10          | –  |
| 28 litre disposable liner             | –           | 39 |
| Maximum contents                      | 95          | 93 |
| <b>Maximum gross laden weight</b>     | <b>4000</b> |    |