



The NTS

4469

**A Type B(U)F
Transport Package**

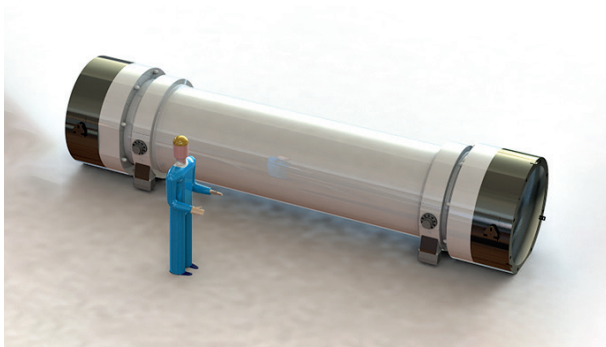
NTS supports the global nuclear market by providing standalone or end-to-end solutions to nuclear transport and logistics challenges.

Scan the QR code to view an online version of this document.



The 4469 (2 off physical assets) is used to transport fresh fuel assemblies collected from fuel production plants, research and development facilities and various other commercial sites. It has been licensed as a **Type B(U)F** transport package for various contents, in full compliance with IAEA SSR-6 requirements. It is supplied with the lifting equipment, stillages and specialist tooling required for on-site operations.

In use for more than a decade, the 4469 has moved fresh fuel to European reactor sites. Moving fresh fuel places additional functional constraints on the package design e.g. the need to attenuate specific vibration frequencies from the payload and to prevent thermal oxidation of the content. By design, the 4469 ensures product quality is maintained during transport. The design has also been re-purposed for other content, which included the integration of a multiple water barrier system which was fully compliant with IAEA SSR-6, a UK first.



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

4469 dimensions	Metres
Overall diameter, over main body	1.146
Shock absorber diameters	1.43
Trunnion centres	3.9
Width across trunnions	1.53
Cavity diameter (without fuel basket)	0.9
Overall length:	
Without shock absorbers	6.083
With shock absorbers	5.365
Usable cavity length (without furniture)	~ 4.95
Component	Weight (kg)
4469 body	6012
4469 lid	133
4469 fuel retainer	435
4469 shock absorber (lid end)	624
4469 shock absorber (base end)	560
Tare weight	
Contents max (inc. furniture)	~ 5936
Maximum gross laden weight	
	13,700